

BF V

B-F V

```

ggccccggga tgccgcggtt cgtgatcgtc ggggtacgtgg acgacaaaat cttcgggtacc 60
tacaacagta agagcaggac tgcacagcct atcgtggaga tgctgccgca ggaggaccag 120
gagcactggg acacgcagac ccagaaggcg cagggcggtg agcgggattt tgactggaac 180
ctgaacaggc tgccggaacg ctacaacaaa agtaaagggtg agcgtggggg aagctgcagc 240
gcgatgcgtc tgggacagga gctctgtgtg ccgagggtgt ccgccagccc cactgaggtg 300
tggccgtgcc ccacgcccag ctgtgctggg ccgtccatgt gtggtggcac tgtccctggg 360
ccgccctgct cctgcgccc cccaccccac cccagcctca tggcaactcg cgtgccccac 420
agccctagaa gcctctcacc tattactctg gctgtgcctc aggggtctcac acgatgcaga 480
tgatgtttgg ctgtgacatc ctggaggacg gcagcatccg agggtagcat cagtatgcat 540
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cagtggctga aatcaccaag aggagatggg agacagaagg gacgtatgct gagagatgga 660
agcatgagct ggggactgtc tgtgttcaga acttgaggag atacctggag catgggaagg 720
cagcgtgaa aaggagaggt gaggatggga gggggacgtg gggctgggct ggggtgtggg 780
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ttcgcaggct gcccttct ttactgacaa cggcgtctc ctccagagcc gcagcccaac 1200
ctgattccca ttgtggcagg ggcggtcggt gccatcggtg ctgtcatcgc tgcggtcggt 1260
ggatt 1265

```

Figure 1

B-FVI

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ggccccggga tgccgcggtt cgtgatcgtc gggtaacgtgg acgacaaaat cttcgggtatc 60
tacgacagta agagcaggac tgcacagccc atcgtggaga tgctgccgca ggaggaccag 120
gagcactggg acgcgcagac ccagaaggcc cagggcggtg agcgggattt tgactggttc 180
ctgagcaggc tgccggaacg ctacaacaaa agtggagggtg agtgtggggg aagctgcagc 240
gcgatgcgtc tgggacagga gctctgtgtg ccgaggggtg ccgccagccc cactgagggtg 300
tggccatgcc ccacgcccag ctgtgctggg ccgtccatgt gtggtggcac tgtctctggg 360
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agcccaagaa gcctctcacc tactactctg actgtgcctc agggctctcac acgatgcaga 480
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agcatgagct ggggactgtc tgcgttcaga acttgaggag atacctggag catgggaagg 720
cggcagtga aaggagaggt gagaatggga gggagacgtg gggctgggct ggggtgtggg 780
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cggcttctac ccgcggcgca tcgccatcag ctggatgaag gacagcatgg tccaggacca 960
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at ttgggggc cgcctctttg tttactgaca acggtgctct ccccagagc cgcagcccaa 1200
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tgcatt 1266

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Figure 2

Genomic 8.4

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ggatccggggg tgggtggcag tggtgtgttt taggtcggcc tgtggggaaa gccgggttgt 60
cccacccatg tccccctctc caacactgtt cctgaatgag ttttccctct ccgacccttt 120
ttttaatggg ttccagggat ttaaaattaa tattgacgaa gtgacggagg ggggtggggcc 180
acagcggagc cgaaagcgaa agcagcggag agcaatggct gcggggctgc ggctgctgct 240
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cccagagtcc cccaaacccc catgaccccc cccacgaccc ctggttccca ttaccctctc 720
acgtccccc gtgtcccca gattccatt actccccgta tccccattat ccccaaaatg 780
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agcgtatggg ctatatggac cgatgtcccc ccacatgtct ccagagcccc ccaaggtgac 2700
gctgtccccg aagaacctgg tgggtggccc ggggacgtca gcagagctac gctgccagtc 2760

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Figure 3a

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tggtttctac cccttggtg tgacggtgac gtggcagcgc cgcgccgggg gctcgggggac 2820
atcacagtca cccagggaca cagtgatgga cagctggact tcaggtcacc gccaggcagc 2880
cgatggaacc tacagccgga cggcggcagc acggctgata cccgcacgcc cccaacacca 2940
cggggacatc tacagctgcg ttgtcaccca cactgcactg gccaaaccaa tgcgtgtctc 3000
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gggacctca ggtcactgca g                                     3861

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Figure 3b

B-FI

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gtcgcacggga tctggatagg tcgtcagtc tccctaattaa ggagggacaa cagtgaatgg 60
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gacgtcacat aaacccccga ctgccattgg cggagaggcg acggaggagc caatgggggc 240
gcggggcggg gcggaatatc attagcaaga gagtagacgt acttactaga tctatcccta 300
ttagttacct tattagttac ctattagtta ccttattagt tacctattag ttttacctta 360
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```

Figure 4a

```

ccatctgagt gctgtgcttc agcctgcaag gagccaacag tccacaccag catttggggt 2820
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tgctgtacag cagcgttacc                                     3740

```

Figure 4b

12.1

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ctcaccggct	ccagatttat	cagcaataaa	ccagccagcc	ggaagggccg	agcgcagaag	240
tggtcctgca	actttatccg	cctccatcca	gtctattaat	tgttgccggg	aagctagagt	300
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ctgagaatag	tgtatgcggc	gaccgagttg	ctcttgcccc	gcgtcaacac	gggataatac	660
cgcgccacat	agcagaactt	taaaagtgtc	catcattgga	aaacgttctt	cggggcgaaa	720
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Figure 5a

```

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ccggcgaggc actgggagcc ctaaaccat ggagagggtca aaccagtgtc ggagggtcatt 2940
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Figure 5b

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Figure 5c

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Figure 5d

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Figure 5e

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Figure 5f

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Figure 5g

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Figure 5h

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Figure 5i

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Figure 5j

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Figure 5k

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Figure 5/

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Figure 5m

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Figure 5n

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ttaagcacct	ttgggtcagt	gttcagaatt	gtcactgcca	gttttggggg	atcagtggca	39720
aattgagacc	cttttaccca	atcttgcaac	actctgggtc	cccagtcctta	tgggttttaga	39780
tggagtaaaa	aggtttatat	gtcataaagt	tcttctgtgt	ctggttattc	gctgcttctg	39840
gatgccagga	tcatggggat	aaggggaaaa	caatgggttc	tcttatgcgt	agagatgcaa	39900
tcagatgggg	agaaaaagaa	atcttaatat	ttctgatcca	tctgacagat	attcagtaca	39960
gccctgagga	tgtggggaaa	taaatctngr	agagttkgtk	ggcagttcca	aggatttggg	40020

Figure 5o

aatgactaaa	tcccattcct	ggkkwytgca	caaagttgsc	tgtgttggaa	cccagaaaaga	40080
tccatgcaag	tgggtcatcc	ctgaaagcat	tgtgttctgc	tgtctgctag	cggagagaaa	40140
gacacagagg	ggaaaattaa	gtgttttatt	gttaattatt	gtacactctg	aggtttcaaa	40200
taccaaattct	ttaacgagag	cggaccactt	gatttgaggg	tgaccatctc	agatggggac	40260
aactgtacct	gatcaggcaa	acctggggga	aatttgccct	tctgccactc	ttttgggtgg	40320
gattttccct	tttgaccacc	atttttctaca	ttctaatacac	ccattgcagc	acttctcccc	40380
cttttttttg	ccccattttt	ctcctgctca	gcacttctta	acaatataat	ataaatcaat	40440
atcatatcaa	tatgattcta	tgccaataga	ttaatgggga	tgaaagacac	ataaaaaccc	40500
aagtcctcat	ttcatctgct	tcccatggga	tgggtgggga	ggtggctgtc	ccctgaggct	40560
gtaggatgtg	gggtcaccc	tgtctgtgtc	tcagggacac	agcctcagct	tggacctgac	40620
ccctaccacc	cacagccacg	gacggaccct	ctccccagag	aaggatgcat	gggaaaaacg	40680
gtcagcccat	tcgccgcca	gctcttcagc	aatatcacgg	gtagccaacg	ctatgtcctg	40740
atagcggtec	gccacacca	gccggccaca	gtcgatgaat	ccagaaaagc	ggccattttc	40800
caccatgata	ttcggaagc	aggcatcgcc	atgggtcacg	acgagatcct	cgccgtcggg	40860
catgcgcgcc	ttgagcctgg	cgaacagttc	ggctggcgcg	agcccctgat	gctcttcgtc	40920
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tttcgcttgg	tggtcgaatg	ggcaggtagc	cggatcaagc	gtatgcagcc	gccgcattgc	41040
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cggcacttcg	cccaatagca	gccagtcctt	tcccgttca	gtgacaacgt	cgagcacagc	41160
tgcgcaagga	acgcccgtcg	tggccagcca	cgatagccgc	gctgcctcgt	cctgcagttc	41220
attcagggca	ccggacaggt	cggctcttgac	aaaaagaacc	gggcgcccct	gcgctgacag	41280
ccggaacacg	gcggcatcag	agcagccgat	tgtctgttgt	gcccagtcac	agccgaatag	41340
cctctccacc	caagcgcccg	gagaacctgc	gtgcaatcca	tcttgttcaa	tcatgcgaaa	41400
cgatcctcat	cctgtctctt	gatcagatct	gcggcacgct	gttgacgctg	ttaagcgggt	41460
cgctgcaggg	tcgctcggtg	ttcgaggcca	cacgcgtcac	cttaatatgc	gaagtggacc	41520
tgggaccgcg	ccgccccgac	tgcattctgcg	tgttcgaatt	cgccaatgac	aagacgctgg	41580
gcggggtttg	tgtcatcata	gaactaaaga	catgcaaata	tattttcttc	ggggacaccg	41640
ccagcaaacg	cgagcaacgg	gccacgggga	tgaagcagct	gcgccactcc	ctgaagctcc	41700
tgcagtcctt	cgcgcctccg	ggtgacaaga	tagtgtacct	gtgccccgtc	ctgggtgtttg	41760
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gaccgaaaag	gtcacactct	ggggcgcgcg	acccgcccga	gtcagcggcc	cgccagttac	42000
caccgcgcga	ccaaaccccc	gcctccacgg	agggcggggg	ggtgcttaag	aggatcgcg	42060
cgctcttctg	cgtgcccgtg	gccaccaaga	ccaaaccccc	agccgcctcc	gaatgagagt	42120
gtttcgttcc	ttccccctcc	ccccgcgtca	gacaaaccct	aaccaccgct	taagcggccc	42180
ccgcgaggtc	cgaagactca	tttggaatga	tccggaattc	tcatgtttga	cagcttatca	42240
tcgataagct	ttaatgcggg	agtttatcac	agttaaattg	ctaacgcagt	caggcaccgt	42300
gtatgaaatc	taacaatgcg	ctcatcgtea	tcctcggcac	cgtcaccctg	gatgctgtag	42360
gcataggctt	ggttatgccc	gtactgcggg	gcctcttgcg	ggatatcgte	cattccgaca	42420
gcatcgccag	tcactatggc	gtgctgctag	cgctatatgc	gttgatgcaa	tttctatgcg	42480
caccgcgttct	cggagcactg	tccgaccgct	ttggccgcgc	cccagtcctg	ctcgcttcgc	42540
tacttgagac	cactatcgac	tacgcgatca	tggcgaccac	acccgtcctg	tggatctgcc	42600
tcgttggcct	gccgcagttc	ttcaacctcc	cggcgagct	tttcgttctc	aatttcagca	42660
tccctttcgg	cataccattt	tatgacggcg	gcagagtcac	aaagcacctc	attacccttg	42720

Figure 5p

```

ccaccgcctc gcagaacggg cattccctgt tcctgccagt tctgaatggt acggatactc 42780
gcaccgaaaa tgtcagccag ctgctttttg ttgacttcca ttgttcattc cacggacaaa 42840
aacagagaaa ggaaacgaca gaggccaaaa agctcgcttt cagcacctgt cgtttccttt 42900
cttttcagag ggtattttta ataaaaacat taagttagga cgaagaagaa cggaaacgcc 42960
ttaaaccgga aaattttcat aaatagcgaa aaccgcgag gtcgccgcc cgtacaagg 43020
cggtcgccg gaaaggacc gcaaatgata ataattatca attgcatact atcgacggca 43080
ctgctgccag ataacaccac cggggaaaca ttccatcatg atggccgtgc ggacatagga 43140
agccagttca tccatcgctt tcttgtctgc tgccatttgc tttgtgacat ccagcgccgc 43200
acattcagca gcgtttttca gcgcgctt                43228

```

Figure 5q

DM

```

gcacaaggaa atgcaaaggg gcatcactag gggacatggc acggggcatt ctagggagca 60
ttgcatgggg acattgcaaa ggaaatgcaa agggacattg catggggaca ttgcaaacia 120
attgagtggg agattgcacc gggatgttgc atggggacat tgcattggaat gtcccaccaa 180
ccaccctgca ggggtgacact gggaccatcc ccagctctga ccatccccc tttgctgcag 240
caccacccca ggtccgcac gtcccatcc ccatctccaa cgaccccgac accgtccacc 300
tcatctgcca tgtttggggc ttctaccac ccgcagtgc catccagtgg ctgcacaacg 360
gcctcgtggg ggctcagggt gacaccaaac tgctgcccga cgggggactg gacctacagg 420
acacagggtg ccctgagggc cagcattgca gcaggagca ctaaaacatg ttcagtgtgg 480
caattccagc ttggagcagc cgctgcagga ggattggagt gagtttgggg atggggatgt 540
ggcaccacac cccacagtc cccacgggt cattgtgccc cacgctgtcc ccacagggtcc 600
caatttgtcc ccggcgatga tggatgaagg ggcagtggcg gccatggcg tgacgttggg 660
gttggtggca ctccagcgcc gggttttcag cttctgtcag cggccacggg gtgagggatg 720
gggatgtggg gctggggaca tgtgtgacac cgagggtctg gtgtccagtg tggggtgtac 780
ctcctcattc atcatcttct gtgtggcagc tcctggcgct ggtcccagta cccgctcctg 840
atgcggttcc tccatccaat cctgggtccc aaaatgatcc cggtcagagt tctgggtccc 900
atcccagtcc tggaccccat cccagtcctg gtcccatcc tggctcttgg cctgggtcctg 960
gttctgctcc tggctccctat ccctgactct ggtcccggtc cccatcccga tgccagtccc 1020
agtctggtc cccatcctgg tcctgctcct tggtttgggg acctcaatga ctggaactcc 1080
catgtcccaa catggggacc cacagtttgg ggtgaggggc tctaccccc caataaaacc 1140
atctgcagcc ccaacctcgc tccaattctt cgttcccacg ttgggtgggt cgggctccc 1200
gtgctcccag ccgttatgtc ccgtaagcgt cggctccact gcataaaaag aaaaaaaaaa 1260
aa 1262

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Figure 6

Genomic Sequence TAP1

(of the beginning of exon 2 at the 3' end)

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GGC GAG ATG GCC GTG CCC TAC TAC ATG GGG CGA GCC AGC GAC TGG GTG GCC CGC GAG GAC AAG CTG GCA
G E M A V P Y Y M G R A S D W V A R E D K L A

GCC ATC CTG CCC ATG GTG CTG GGC CTC AGC AG GTACTGGCATAGGGGGACGCGGTGCGGGCAGGGGGCAGCGCG
I L P A M V L L G L S S

GGACCCCTGACACCCCACTGCCGTCACAG C GCT GTT ACT GAG CTG GTG TGT GAT GTG ACC TTC GTG GGG ACA
A V T E L V C D V T F V G T

CTG AGC CGC ACG CAA AGC CGC CTC CAG CGC CGC GTC TTC GCC GCC GTC CTG CGG CAG AGC ATC ACC GAG
L S R T Q S R L Q R R V F A A V L R Q S I T E

CTG CGC GCC GAT GGG GCC G GTGAGGGGCACCGGGCTGGAGGGGACACGGGGATAGGGACAGGGGTGGCACTGACGGCGCTG
L R A D G A

TCACCCGGCAG GG GAT GTG GCC ATG CGG GTG ACG CGG GAT GCG GAG GAC GTG CGC GAG GCG CTG GGC AAG
G D V A M R V T R D A E D V R E A L G K

GCG CTG AGC CTC CTG TGG TAT CTG GCA CGC GGC CTC TGC CTC TTT GCA ACC ATG GCC TGG CTG TCC
A L S L L L W Y L A R G L C L F A T M A W L S

CCG CGC ATG GCG CTG CTC ACC GCG CTG GCG CTG CCA CTG CTG GCA CTG CCC AGG GCT GTG GGG CAC
P R M A L L T A L A L P L L L A L P R A V G H

TTC CGG CAG GTATGGGCTGCTGTGACCTCCATGTGCCCTTGTGTCCTCCATGTGCCCTCTGGTCCCTCCATGTGCCAGTGTC
F R Q

```

Figure 7a

ACCACCATGTAATGCCCCTATCCATGTGCCCACACTGTCCCCCTCCATGTACCCACCACATCCTCCTGCTGTGTCCCTCTGTGTGACCGGC
 TGTCCCTCCACGTCGCCCATGCCCCCTTCCATGGGTCCACCATCCGTGCCATGTGCTCATTTATCCCTATGTGTGACCATTATCCCTTCCA
 CATGGGTTCTGTCTGTGCATGCCCCCACTGTACCTCCACATGCCCCACCGTCCCCCTTTATGTCCCCCTCCATCCCCCTCCACGTTCTTTG
 TTCCCTCCATACATGCACTGTCCCCCTCCCCAGCCCCCATTCCTTCCACCCGCCCTGCACTGACACTGCTGTCCCCAG GCC CTG GCA
 A L A
 CCA CAG ATG CAG AAG GCG CAG GCC CGG GCC AGC GAG GTG GCA GTG GAG ACC TTC CAG GCC ATG GCC ACT
 P Q M Q K A Q A A R A S E V A V E T F Q A M A T
 GTG CGC AGC TTT GCC AAT GAG GAT GGG GCA GCT GCA CAC TAC CGG CAG CGC CTG CAG CAG AGC CAC CGC
 V R S F A N E D G A A A H Y R Q R L Q Q S H R
 CTG GAG AAA AAG GAT GTG GCC CTC TAC ACT GCC TCT CTC TGG ACC AGT GGT GTATGGGATGGGGTGGCTCAAT
 L E K K D V A L Y T A S L W T S G
 AGCATGGGACGTCATGGGATGGGGCTGGGGATGTGGGACATGATAGATAGGACTGGGGGCGCATGGGACATGGTGGGATAGGGCTGG
 GAGATGTGGAGACGTGATGTAATTGAGATGTCAGGAGATGGGACAGAAATGCCAACGGGCTGGAGGCCATAATGGTGTGGAGATGGCAGGT
 CATGGGAATATGATGGCATGGGACTGTGGGACATAGATTTGATGGCATGGGGACATCAGGATGTAGCAGGCCACAACAGTTCAGGGGCTCT
 GGGCCAGGAGATGCAGTGACGTGGGAATGGGGCGCATGGGGGCTCCAGGACACTGGGAACATGATGGCATGAGGGGACATAGCACAGAG
 ATAGCACAGCTGTGGGACACTGGGACAGGGGGACATTGACAGAACAGGAAGGTGACAGAGTGGTGTGGGACTCAGAGTCCAGGGGGGA
 GGTGTCCCTGGTGACCTCATGGCATCCTCAG TTC TCA GCC CTG GCC CTG AAG ATG GGG ATC CTC TAC TAT GGG
 F S A L A L A L K M G I L Y Y G
 GGG CAG CTG GTG GCC GCG GGG ACC GTC AGC ACT GGG GAC CTC GTC ACC TTC CTC CTC TAC CAG ATA CAG
 G Q L V A A G T V S T G D L V T F L L Y Q I Q

Figure 7b

TTC ACT GAT GTC CTG GAG GTGAGCCTGAGAGGATGCCCATATCCGCATGTGTCCCCATGTCTCCCTGCCACAGTCACAGTGTGTCA
 F T D V L E
 CAGTGTCCCTGTGTTCCCTACATCCTCCCTGCTGTCTCCAGGCCAATCGCAGTGTGTCCCCATGCCCATCCCATGTCCCTGTGTGTCCCCCAG
 TCTAACCCCTCTGTGACCCCTGCCACATCCCTGTGTACCTCCTCTGTCCCCATACCTACCCCGTCTGTCCCTATGCCAATCCCACTGTGT
 CCTCTGCGTCCCCATGTACCATGCCCATGCCCATGCCCTTGCCTCCTGCCACGTCACGTGTCCCCAG GTC CTG CTC GAC TAC
 V L L D Y
 TTC CCC ACA CTG ATG AAG GCT GTG GGC TCT TCG GAA AAA ATC TTT GAG TTC CTG GAC CGG GAG CCA CAG
 F P T L M K A V G S S E K I F E F L D R E P Q
 GTC TCA CCC TCA GGG ACA ATG GCA CCC GCT GAC CTG CAG GGC CAC CTC CAG CTG GAG GAT GTC TGG TTC
 V S P S G T M A P A D L Q G H L Q L E D V W F
 TCC TAC CCT GGG CGC CAG GAA ACC CGT CCT CAA GTGGGCACAGACACAGCCAGGGGACACGGGGGTGTGTGGGACA
 S Y P G R Q E T R P Q
 GCGTGACAGGTGTGGAGCACAGTGGGTGATTTCAGGGACATGGATGTGTATGGACAGGGTGTGAGGATATGAACAAGGATACATGGAGG
 GGGTGGTATGGGACACTGGAGAGGGACATGAGATCATGGTATTGAGGGCGGGGACATGCCACATGGTGGGTTGTGGCACTGGGACAT
 GATGAGTGACACAGACATGGTGGGAGGGCATGGGAATGTAGAGGCCGTGGTA
 GGG GTA TCA CTG GAG CTG CGC CCC GGG GAG GTG CTG GCA CTG CTG GGA CCC CCG GGC GCA GGG AAG AGC
 G V S L E L R P G E V L A L L G P P G A G K S
 ACT CTG GTG GCC CTC GTG TCC CGC CTG CAC CAG CCC ACG GCC GGC CGC CTG CTG CTG GAT GGC CAC CCC
 T L V A L V S R L H Q P T A G R L L L D G H P
 CTC CCC GCC TAC CAG CAC TCC TAC CTG TGC CGC CAG GTGAGCAGCCACATGTCCCCCATGGCTCCTGGTTGTCCCCCTG
 L P A Y Q H S Y L C R Q

Figure 7c

Figure 7d

CGG GCA CAA GTG GTG GTG TTG GAG GGG GGA GAG GTG CAG CAG GAG GGA CCC CAC CAC GAG GTG GTG
 P A Q R V V V L E G G E V R Q E G P P Q E V V
 CGC CCC GTC AGC CTT NTT GCG GGA CTG GGG ACA ACA AGG GAG CAC CGG GGG AGG GGG ACA GAG GGA TAG
 R P V S L ? A G L G T T R E H R G R G T E G *
 CGGGAGTTTGGATGGGAGGGCGGGGTGGTGGGATGTGGGATGGGACACTGCCCGTTGGGACACTGAGGGTGGAGGTGGGGACAC
 CGGGGCAGCAACAAGGACCAAGAGCTGTCCGTGGGCACATGGATGCCGAGCCGGCGCGCTGCGGTACCGTGCTGTACGACACACA
 ACGGCCACAGCATGGACTGCAGTGCCACTGAGTGCCACAGGGCCGGGGTGGGACACAGAACTGGGAATAAAGCCGCATGTTTGT

Figure 7e

TAP2G

-213
 CGCCATACATTNTGGCGCTGTTCATGCACGGTGNTAATGGCCGACCTGGCCNTCATGTGGCCCTGGCCCANTTCTTCCACGACACTGGCCCA
 TTGGGCTGGGTGGC -107
 -106
 TCCTGGCGGAGGCCGGGCTGCGCCTCCTGTGTCTGGGGGGGGCCGGCGCAGCTGTGGCCCCCAGGGGACCCCGTGGGGCTGCAGTGCTGCT
 AGCATGGGCCCCGCC 0
 t
 +1 ATCTTCTGACCCTAGCGGGGCTATGTAGGTCTGCCTGGAGCTCCCCCGTGTGTGCTGGCC ATG GCA ACG CCG TC
 TGG CTG GTG CTG ACC CAC +93 5'UT
 M A T P S
 W L V L T H
 +94 GGG ACA GCT GTG GTG GCA TTG CTC ACC TGG AGC CTC CTG GTC CCC ACT GTG GCC ACT GGG
 GCA AAG GAG GCA AAG GCC TGG +174
 G T A V V A L L T W S L L V P T V A T G
 A K E A K A W
 +175 GTG CCC CTG AGG CGG CTG CTG GCC CTC TGG CCC GAG TGG CCG TTC CTT GGC TGT GCC
 TTC CTC TTC CTC GCA TTG GCT +255
 V P L R R L L A L A W P E W P F L G C A
 F L F L A L A
 +256 GCA CTG GGT GAG ACC TCA TTG CCC TAC TGC ACC GGG AGG GCT GTG GAT GTC CTC CGC CAG
 GGG GAC GGC CTC GCC GCC TTC +336
 A L G E T S L P Y C T G R A V D V L R Q
 G D G L A A F
 +337 ACC GCT GCT GTC GGC CTC ATG TGC CTG GCC TCT GCC AGC AG
 GTAGGACCCACATCCCTCCACAAAACCCCATCCACCTCTGTGGTGTCT +429
 T A A V G L M C L A S A S S

Figure 8a

+430
 GGTGGGTTTGGGGTCTCTGTCCATATCTGGGGTCTATCTGATGGGTTCTGGGCACCTCCACTGACCCCTTGTGATTGTCTGAAGGGTTCTG
 GCTCTCCATTGACCC +536

+537 CTGATGGGTTTGGAGTCGCCCCCAATTCTTCCAG C TCG CTG TTT GCC GGC TGC CGC GGT GGC CT
 TTC ACC TTC ATC AGG TTC +624
 S L F A G C R G G L
 F T F I R F

+625 CGC TTC GTC TTG CGC ACC CGC GAC CAG CTC TTC TCC AGC CTG GTG TAC CGG GAC CTC GCC
 TTC TTC CAG AAC ACC ACA GCA +705
 R F V L R T R D Q L F S S L V Y R D L A
 F F Q N T T A

+706 G GTACAGACTGGGGGCACCTTTTGTCCCTGTCCCCACACCATACCCCGAGCTCACCGTACTCAACTCCACAG CT GAG
 TTG GCC TCC CGG CTG ACC ACC +828
 A S R L T T
 L A S R L T T A E

+829 GAT GTG ACG CTG GCG AGC AAC GTG TTG GCA CTC AAT ATC AAC GTC ATG CTG AGG AAC CTG
 GGG CAG GTG CTG GGG CTC TGC +909
 D V T L A S N V L A L N I N V M L R N L
 G Q V L G L C

+910 GCC TTC ATG CTG GGG CTG TCC CCG CGC CTG ACA ATG CTG GCA CTC GAA GTG CCG CTC
 GCC GTC ACC GCA CGG AAA GTC +990
 A F M L G L S P R L T M L A L L E V P L
 A V T A R K V

Figure 8b

+991 TAT GAC ACC CGG CAC CAG
 GTGATAGCAGGGATGGGATGGTGGGTGACAGGGATGGAGGCAATGGCAATGGGATGGGAACAGTGGGAGTGGGGAT +1091
 Y D T R H Q

+1092
 AGTGAGGTGGGGATTGTGGGGTCAGGGTGGCAGGGATGAGGGCAGCTGCAATGGGATGGGAACAGTGGGAATGGGGAGAGCAGGATGGGGA
 CATGGGTCCAACACA +1198

+1199
 GCFAGGATGAGAGGATGGAGAAGAGTGGAGCAGGAATGGAAGTGGGATGGCGAGTACTTGGCCATCCCATGSGTGCTGACACCCACTGTCC
 CCCAG ATG CTG +1302

M. L
 +1303 CAG CGG GCC GTG CTG GAT GCA GCA GCC GAC ACC GGA GCG GCA GTG CAG GAG TCC ATC TCT
 TCC ATT GAG ATG GTA CGG GTC +1383
 Q R A V L D A A A D T G A A V Q E S I S
 S I E T V R V

+1384 TTC AAT GGC GAG GAG GAG GAG CAC CAC CGC TAC AGC CAG GTG CTG GAC AGG ACC CTA CGG
 CTG CGG GAC CAG CGG GAC ACA +1464
 F N G E E E E H R Y S Q V L D R T L R
 L R D Q R D T

+1465 GAG AGG GCC ATT TTT CTC CTC ATC CAG CGG
 GTGAGGCTGACACGAGGGGACACCCCTGGTGTCTGGTGGGATCGGGACATCCCCGCTGAGCCCCAT +1561
 E R A I F L L I Q R

+1561 CCCCACAG GTG CTG CAG TTG GCT GTG CAG GCA CTG GTG CTA TAC TGT GGG CAC CAG CAG CTC
 CGC GAA GGG ACC CTC ACT +1641
 V L Q L A V Q A L V L Y C G H Q Q L
 R E G D L T

Figure 8c

+1642 GCC GGC AGC CTC GTC GCC TTC ATC CTC TAC CAG ACT AAA GCT GGC AGC TGC GTG CAG
 GTGAGGTCAGGCAAGTGGTCTCTGCCACCG +1729
 A G S L V A F I L Y Q T K A G S C V Q

 +1730
 GATCCCCATGACTGTGGCCACATCCCCGTGTCCCCACCCTGGGTGCTGCTGGGGTCAATCCCCCATGTCCCTATCCTGGGTGCTGTG
 CATGCAG GCA CTG +1834

 A L

 +1835 GCG TAC TCC TAT GGT GAC CTT CTG AGC AAT GCA GTG GCC GCC TGC AAG GTC TTT GAT TAC
 CTG GAC TGG GAG CGA CCT GTG +1915
 A Y S Y G D L L S N A V A A C K V F D Y
 L D W E R P V

 +1916 GGT GCT GGT GGC ACC TAT GTG CCC ACC AGA CTG CGG GGC CAC ATC ACC TTC CAT CGG GTG
 TCC TTC GCC TAT CCC ACT CGC +1996
 G A G G T Y V P T R L R G H I T F H R V
 S F A Y P T R

 +1997 CCT GAG CGC CTC GTC CTG CAA GAT GTC ACC TTC GAG CTG CGC CCC AGT GAG GTG ACG GCG
 TTG GCG GGG CTG AAT GGC AGC +2077
 P E R L V L Q D V T F G L R P S E V T A
 L A G L N G S

 +2078 GGG AAG AGC ACC TGC GTG GCA CTG CTG GAG AGA TTC TAT GAA CCT GGG GCC GGG GAA GTG
 CTG CTG GAC GGG GTG CCG CTG +2158
 G K S T C V A L L E R F Y G P G A G E V
 L L D G V P L

Figure 8d

+2159 CGG GAC TAC GAG CAT CGC TAC CTG CAC CGC CAG
 GTGANGGGTGGGGGAATGTTAGCTGCACTGAACANTGCTGGGCTGAACCTCTGCCCTGG +2254
 R D Y E H R Y L H R Q

+2255 GGGCAG GTG GCA CTG GTG GGG CAG GAA CCC GTG CTC TTC TCT GGC TCC ATT CGG GAT AAC
 ATT GCC TAC GGG ATG GAG GAC +2335
 V A L V G Q E P V L F S G S I R D N
 A Y G M E D

+2336 TGC GAA GAG GAG ATC ATA GCA GCT GCA AGG GCT GCG GGT TGT GGC TTC ATC TCT
 GCA CTG GAG CAA GGC TTT GGC +2416
 C E E E I I A A A R A A G A L G F I S
 A L E Q G F G

+2417 ACT G GTGAGTGTGGGAGCAAGGGGGGACCGGGTGTCTGACCCCACTCATCCCCACCCTCATCTGCAG AC
 GTA GGG GAG AGA GGG GGG CAG +2511
 T
 G E R G G Q

+2512 CTG TCA GCG GGG CAG AAG CAG CGC ATC GCC ATC GCC CGC GCT TTG GTG CGG CGT CCC ACC
 ATC CTT ATC CTC GAC GAA GCC +2592
 L S A G Q K Q R I A I A R A L V R R P T
 I L I L D E A

+2593 ACC AGT GCT CTG GAT GGG GAC AGC GAT GCA ATG
 GTGAGCACTGAGCAGTGGGTGGGGGAGGGTCTG?CCCTGCAGTGCATGCTGATGGGCAGCTG +2688
 T S A L D G D S D A M

+2689 TGTGTCTTACAG CTA CAG CAG TGG GTG AGG AAC GGA GGG GAC CGG ACG GTG TTG TTT ATC ACC
 CAC CAA CCA CGG ATG CTG +2769
 L Q Q W V R N G G D R T V L F I T
 H Q P R M L

Figure 8e

+2770 GAG AAG GCA GAC CGC ATT GTG GTG CTG GAG CAT GGC ACG GTG GCT GAG ATG GGG ACA CCC
 GCC GAG CTG AGG ACC CGC GGC +2850
 A E L R T R G E K A D R I V V L E H G T V A E M G T P
 +2851 GGA CCC TAC AGC CGG CTG TTA CAG CAC TGA
 GAACCATGGAGCAGCTGGAGTGGCATGGCATGGGATATGGGGAGCAGTGA CTGCTTGGCTTCCAGC +2947
 G P Y S R L L Q H *
 +2948 TGCAGGATGGGATGTTTGGGATTTGTGTGGAATAAAGTGGAGATGCTTTGT
 +2999 3'UT
 INTRON 2-3 : EF23(1B+1R)3R
 INTRON 3-4 : EF23 2(1)
 INTRON 4-5 : EF23 352H CON
 INTRON 5-6 : EF23224RS
 INTRON 6-7 : EF23(5B+5R)1R
 INTRON 8-9 : EF23277B CON
 INTRON 9-10: EF23 43RSR
 INTRON 10-11: EF23 43RSR
 INTRONS 1-2 ET 7-8 INEXISTANTS CHEZ LE POUET

Figure 8f

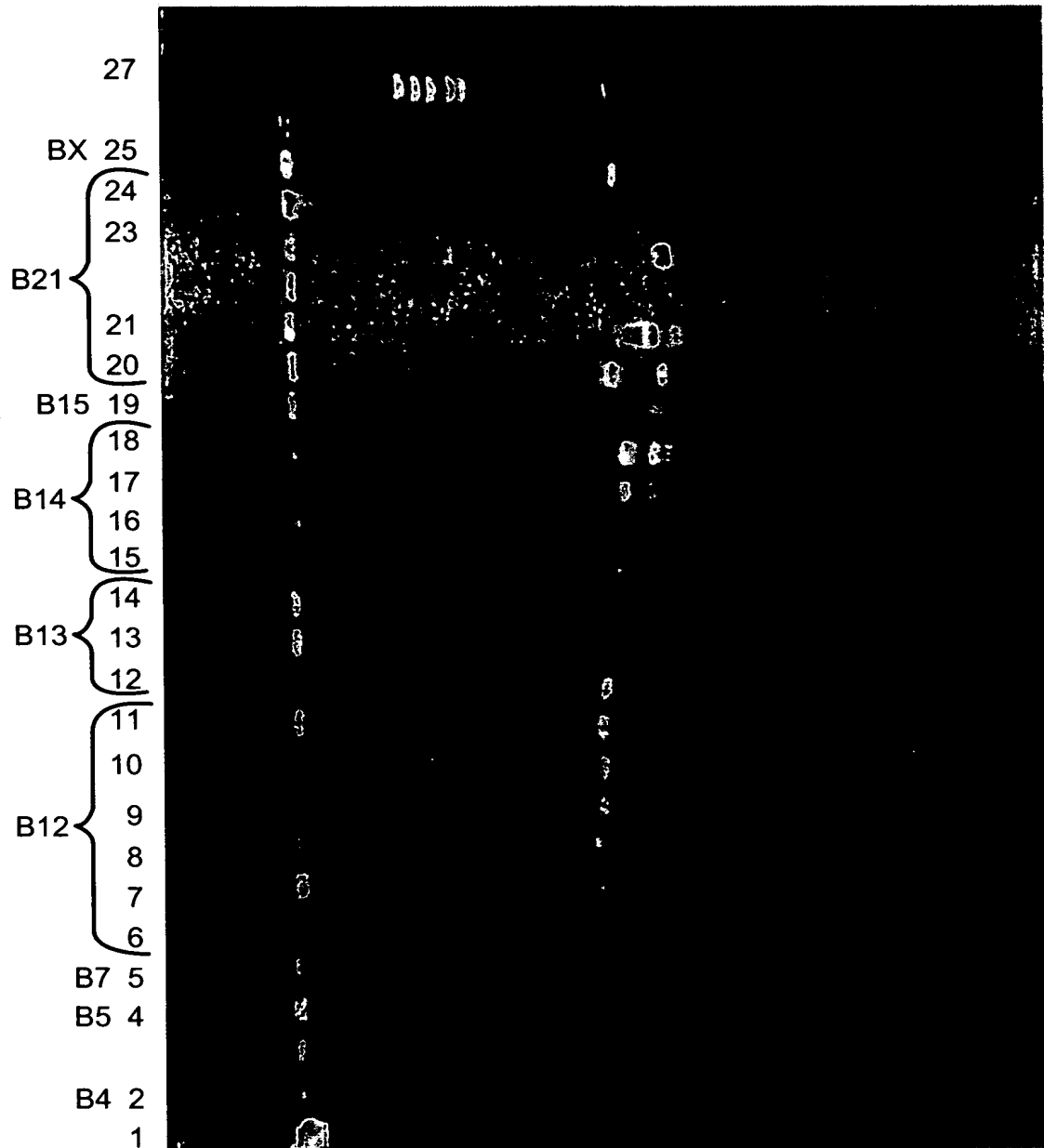


Figure 9

A5FIN.txt

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GTCCCTATTC CCATTGTGTC CTCACATCTG CCATCTCTTC CTGTCCCCAT CTATGCTTTG 60
TGCCCCCAT CCCTTACCCC ATCCCCACGT GTCCCTGTGG TGCCACCTCC ACACGTGTCC 120
CCGTGTCCCC ACAGCGGGGC CGTGGCGCAA TAACACTGTG ATGTGGCGCT GCTGCCGGA 180
CGGAGCGACG GCGCTGCCCA TCCGTGCCAC GTGCCAGCAG AGGGGACAGC GGGTGACGAC 240
GGCCGGGGGC TGCCGAGACG CCTTCCTGCA GTGCTGTGAG GTGGCACAGA ATCTGCGGCG 300
GAAGGGACAG CGCGGGGGGT TGGCACGGGG TGAGTGTGAG CAGTGTCCCC AAAGCGGGGA 360
GGGGTGACCT GGGGTGGTGG CGGTGGGGTG TGGGGGAGTT GTAGAAATGG GGACCCCAT 420
GGTGTGGGGA GGTTCGGATA AGGGGTCCCC ATGGGTGGTG GCACATGGGG ACATCCCATA 480
GCCTGGGATC CCATGGTTGG GGCCATCCCG TACCTGGGAT CCCCACATGG GAGGATGTCC 540
CCCGCTGTCC CCATGGCAGT GATGGAGGCA CAGCTGGCAG AGCAGCTGTT GGATGATGAT 600
GAGGACGTCC CCACGAGGAG CTTCTTCCCT GAGAGCTGGC TGTGGCGACG CATCCATGTT 660
GCTGGCACTG CACGGTGTGT CCCCCTGTGT CCCCATGTCC CCATGTCCCC ATGACTTTGT 720
GTCCCCGTGT CCCCATCTCC CCATCTCCCC AGGCTCTCAG TGCTGCTCCC TGACTCCATC 780
ACTACGTGGG AGATTCAGGC AGTCGCCATC GTCCCTGGAC ATGGTGAGTG TCACCCCTC 840
CAATGGCCCT GCAGTGTCCC CCTGACATCC CCCTCGTGGT GTCCCCATGT CCCCACGTC 900
CCCAAGTTCC TATGGTGTCC CCATGTCCCC CCTCTCCCC TCCCCCGGA ATGTCCCTGT 960
GTCCCCGTGG TGTCCTGCA CTGCCCCGCA GTGATGAGGT CCTGGCAGGG CTGTGCGTGG 1020
CGGAGCCGCA GCGGGTGACG GTGACACAGG ACGTGCGTGT GGCGCTTTGG CTGCCCCCA 1080
GCATCCGGCC CCTAGAGCAG ATGCAGCTGC AGCCCTCAT CCACAGCAGA CTGCCCCGCA 1140
GCATCAACGT AAGCCCTATA GAGACCCCAT AGGCACCCA GAGATACCTC TTTCCCTCTA 1200
ATAAATACCA CTTTGCTTCC AATAGATAAC CCTCCTGCCC CATAGGTACC CCTGTGCTCC 1260
ATACTTGCCC TGCCACAGCA TACATACCCC TTTCCCTCCA ACAGATATGC GTTGCCCCAT 1320
AGATACCTTC TTTCTGCCCT ATAGATAACC CCTCATGCCC CACAGATTCC CGTTTCCTTT 1380
CAATTGGTAC CCCCTGCCCC TCATATATCC CCCTCTACCC CACGGATACC CCCTAGACA 1440
CCCGGTACCA CTTCTGCCCC ATGGATACCC CCTGTGGCAC ATAGATACCG CTTCTGCCCC 1500
ACAGATACCC CCTTCCTACT CCACTGTCCC ACAGCCCCCA CTGCCCCATG GCCACCCATA 1560
GCCTGGTGGC ATCGGGTGAC AGTGACGGTG ATGCAGGTGA CGGTGACACT GTCGGCAGTG 1620
GAGGGGGTGT GCGCGGCGCT GGATGGGGTC CCCCAGATGC TGGAGCTGCC CCCGGGGAGG 1680
GCAGTGGCTG CACCCCTCAC TCTGGTGGCC CTCCACCCTG GGGACATCCC CATCACCATC 1740
ACCGCCCGCG GGCCATGGGG GCTGGGGGAC CGTGTACCC GAGTCCTGCA TGTCGAGGTG 1800
AGATCAGTGG GGTCCCCTCC AGTCACCTGG GTCACCTCTG GGGTCCCTTA AAGCCCTGCG 1860
ACCTCCTGGA CATTGTTGTC CTTGTGAGCC TGCGGTCACC CTGAATACTG GGGCTGTCAC 1920
TTTGAGGTTC ATGGACACCA TGTCCCTGTG TCCATGGTGG CCCTGGACAT GTTGTCCTT 1980
ATGGGATCTG GGGACATGGG GTCCTTGGTG GTCCTGGATA CTGCAGTTGT CCTTTTGTGG 2040
ACACTATGTC CCCATGTCCT TGGTGGGAAT GGTGTCATCC ATTCCCGCAG CCTGAGGGAG 2100
AGCTGCACCT GGAGGAGAGC ACCTACATCC TGGACGCAGA TGGTGGGTGT GAGGACTGGG 2160
GGACACTGGG GAAACTGGGG ACGTGGGGCC GGACCCTGTG GTGTGGTGTG CCTACAGATA 2220
AGCGGAGCCG GAGCCTGAAG CTGCCGGGGG ACGTCCCTGC AGAGATCGTC CCTGATGGGG 2280
ACTTCAGCAT GAGCATCCGT GTCAGTGGTG TGTGGGGATG GGGACATGGG GTGGGGACAT 2340
GGGGGTGGGT ACTGGGAACG TGGTGGGGAT GTGGTGGTGG GCATAGGGGA CATGGGGACA 2400
TGGGAGGACA TTTGTTGGGG ACATTGATGT CCATCCCTGA TCATCTCTCT GTCCCTATGT 2460
CCCCATACCC ATGTGTGTGG CCATGTCCGC ACGCTGTGCC CCTGTGTGTG TCCCCTGGGT 2520
GTCCCCACAT GTGCTCACAT CTTATTACA TCCCCACATC TCCTGTGTAC AACCCCGTGT 2580
GCCCTGATGT GTGCCCTCC ACACATCCCC ATGGGTGTCC CAATGTTCCC ATGTCCCTCT 2640
GCTCATCCCC ATCCACATCC CCATGCCTAT CCCCTATCCC CACGTTCCCC CCATTTCCCA 2700

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Figure 10a

A5FIN.txt

TCCTATCCCC	ATGTCCCCAT	GTCCCATATC	TCCATACCCC	TGTGACCCCA	TATCCCTGTC	2760
CTTCAACTCC	CCTCCCATCC	CCACACCATC	CCCATGTCTT	CTGTCCCCAC	ACCATCCCCA	2820
TATCCCCCTG	TCCCCCCTGT	CCCTGTCCCA	GGCCGGGTGC	CGGGCTGGGC	ACTGCAGGGC	2880
GCTCTGGGGA	TAGGGGACTC	TCTGCTCCGC	TCCCCCGGG	GCTGTGGGGA	GCAGTCCCTG	2940
ATGTCAATGG	CACCCACTGC	TGCTGCTCTG	CGCTTCCTGG	ATGAGAGCGA	AGGGTGGGGG	3000
CAGCTGCCCC	CAGGGCACCG	ACAGCGCGGC	CTCAGAACCC	TGCAGCAGGG	TGAGCTATGG	3060
GGCAGGTTGT	GCTTTATGGG	GTGGGCAATG	CTTTATGGGG	TGTGCAGTGC	TCCAAGGGAT	3120
GTGCAGTGCT	TCATGGGGGA	TGCAGTGGGG	TTTGATTTGA	TTTGATTTAT	GGGTTTGCAT	3180
TTCTCTCCG	AGGATTGCAT	CTCTCTATGG	TGTTTGCAAT	GGGATGTGCA	GTGCTCCAGG	3240
TGGAGGTGCA	GAGCCCTATG	GGGGTGCAGT	GCTGTGTAGG	GGATGTCTGT	GGTGTCCCCA	3300
ATGGTCTCTG	ATGTCCCCAC	AGGCTTCGAA	CGGGTGCAGA	GCTTCCGCAA	AAGTGACGGC	3360
TCCTATGGGG	CATGGCTGCA	CCGGGACAGC	AGCACCTGGT	GAGGGGAGCG	GGGATGATGT	3420
GGGGACATGG	GGATAGTGAG	GGGATGTGGG	GATGCTGGGG	TATGGGGATG	TGAGGACATC	3480
ATAGGGACAT	GAGCGGTGGG	GCCATGTGGA	TTTGGGGACG	TGGTGACACG	GTGTCCTGGT	3540
GCAGGCTGAC	GGCACTGGTG	CTGCGTGTGC	TGGCCCTGTC	CCGGCCCTAT	TTGCCAGTGG	3600
CTGCCAGCGG	CCCCGCTGCG	TCCCTGCGGT	GGGTGCTGGG	GCAGCAGCGC	CCAGATGGCG	3660
CCTTCTTGGA	GCACAGGGCT	GTGGTGCACC	GTGAGATGCA	GGTGGGTGAC	ACATCACTGC	3720
TGTGTGCAAT	GTCCCCATGC	AGGATCTCCC	CCTGCAATGT	CCCCCTGAAG	TCCCTGCAGG	3780
CTGACCCCCAC	ATTACACTGT	GTCACCTACG	TGTCCCCGTG	TCCCCAGGGT	GGTGTGGCAG	3840
ACCCCGGCCC	GGAGGCCACC	GTGTCGCTGA	CGGCCTTCGT	GGTGGTGGCC	CTCCATGGTG	3900
CCCGCGCTCT	GCTGCCCCCG	GACAGCCCTG	AGCTGCCCTT	CCTGGTGAGT	CCCATGTCCC	3960
CACCCCTGTG	TCTTGGTCCT	CATATCCATG	TGTCCCTTGT	GCCCCATCCC	CCAAATCCCC	4020
ACATCCCCCA	TATGTTCCCA	TACCCTGCTG	TGTCCCCCA	GTGTTCCCC	GTCTTTCATT	4080
CTCCACTATC	CCCCGTATTC	CCATATGTCC	CCCTGTCCAC	CAGTGTCCCC	TCATCCCTCT	4140
GTGTCCCCCT	GTCCCCCAGT	GTCCCCCAG	TCCCTGTATG	TCCCCATGTC	TCCTAGTGTC	4200
CCCCATGTCC	GTGTCTCCA	GTATCCCCCA	TGCCTCCCCG	TGTCTCTTCA	TGCCCCACAC	4260
TCCACGTCCC	CACACTCCAT	GTCCCACTGC	CACAGGACAA	ATCCCTGTCC	CGGGCCTCCA	4320
CGTTCTCCG	GGGCCGCGTG	GAGCAGTTGG	GGACCTATGG	GACAGCCATT	ACATCCTATG	4380
CATTGGCACT	GGTGGACACC	GCTCCTCCGG	GGCCGCATCC	GGCGGTGGAA	CGTCTGCGGG	4440
GCATGGCCCG	GAGCGCCCAC	GGTGCCTCTG	TCTCTGTCCC	CATGGGGTGG	TGGCACCTCT	4500
GTCCCCATGG	CTGCCTCCTG	GACCCCTCTG	TCCCCTCCTT	CAGATTCACT	CTCATTCGAA	4560
TCCTTCAATT	TTATTCTCCC	TCAAACCTCT	CTTCTTTGTA	TTCTTCACAT	TCATTCTCTAT	4620
TCAAATTGCT	CTCCTTCCTG	TCTGTTCTTC	TTCAAATTCT	TCTTCAATTT	TGTTCTCCTG	4680
ATTAATTCTC	TTAAAATTAA	CTCTCGATCA	AGTTCTGCAG	ATTCGTTCCA	CTTCGGATGG	4740
ATTCTTCTCC	AAACTGTTCT	TCAGATTAC	TCTCCTTCAA	TTTCGTTCTT	GTAATTAATT	4800
CTTCTTCAGA	GTGATTCTTC	AAACTCTTCT	TCATGTTCTC	TTCAAGTCCA	TTCCCTGCAC	4860
TGACTCCGGG	TGCTCAGGAC	CCCCCGTGA	CCCCATATGA	CCCCATATGA	ACCCCCCATG	4920
ACCTCCACAA	AACCATATGA	CCCCGTGACC	TCCCATGACC	CCTCATGACC	CCATATGACC	4980
CCCCATGACC	CCATCCCTGT	GCAGGTGGCC	GTGCAACCTT	CTGGCCATCC	GGTGGCCCCG	5040
CAGCCACGGT	GGAGGCGACG	GGTTACGCCC	TTCTGGCACT	GCTGCAGAGC	CGCGACATCG	5100
CCGGGGCTGC	GAGGGCGGCA	CGGTGGCTCC	GACAGCAGAG	CAATTACGGG	GGTGGCTTCC	5160
ACTCCACGCA	GGTGGGTGGG	GGTCACTGAC	CCCCCGGGTG	CCTCGGGGTG	GGGGTGATTT	5220
GATCCCCAGG	TACCTCTTTG	GTGGCTGTGT	CCCCAACCTG	CTTGGTGTTC	CCGCAGGACA	5280
CGCTGGTGGC	CCTGGAGGCG	CTGGCCAGAG	TGTGGCTGCA	CTGGGGCCGT	GGGAACACAA	5340
TGGGGCTGAA	CCTGGGGCTC	TCCTGGCCGG	GGGGTGCCCC	GGGGAGGGCT	GGTGGCACTC	5400

Figure 10b

A5FIN.txt

AGGTTATGCT	GAAGCCGGGG	CTGGAGCCGC	TGGAGCAGGA	GCTGCAGGTG	GGGACATGGC	5460
GGGATGTGGG	GACACGAGGG	ATGTGAGGAC	ACTGGGGACA	TGTCTGGACT	TGGTAGGATG	5520
TAACATGAAG	AACTGGGGA	CATGGTAGGA	CATGGGGGAC	ATGAGAACAC	GGGATGTGGG	5580
GGACATGGTA	GGACATGATG	GACACAGGGC	TTTGGGGTCC	TTGGGTCCTC	GCTCTGTCCC	5640
CATGTCCCCA	GGTGCCTCTG	GGCAGCCCAG	TGACAGTGCA	GGTGGAGGGA	CACGGCGAAG	5700
GGACGCTGAC	GGTGGGTGGC	TGCATGGACA	TTGGTGTTCAT	CTCCAAGACC	GATGTCCCCT	5760
CACAACCTCC	CCTCATGGTG	TCCCCTCATG	CTGCCACGGT	GTCCCCTGCT	GTCCCATCAT	5820
GGTGTACGCG	TGTCCCCAGG	TGCTCCGCCA	GTTCCGCCTG	CTGTACACCTC	CGAACGCCAC	5880
GTGCCAGGCG	CTGCACCTGG	AGGTGGCCAT	CACCGGCCCC	ATCCTGTACC	ATGGTGAGGC	5940
CCCACCCAAA	GGCCCCGCCC	CCTTTTCCTC	GCGGGGGGCG	TGCCCTCAAC	CCTGTTTTGC	6000
ATATCCCAAC	CCCCAGCAGA	TGAGGACTAC	GAGGACTACG	AGGACTACGA	GGAGGCGGAG	6060
CCTAAGGAGG	GGGAGGAGCC	TACGGAAGGG	GCAGTGCCCG	TGGAAGGGGC	GGGGCCAGCA	6120
GATGACCCCG	CCCCCTCAG	CCCCGTGTCC	TTATGGGATG	CCCGTAAGCG	GCAACGCCGC	6180
AGCACACATA	ACCCTGCCCA	CGAGGTGGCC	TTCTTGGTCT	GCTTCCGGTG	AGGGGCGGAA	6240
CTTCCTGTCC	CTGGGGGCGG	GTCTTCCTGC	TGATGGGCGT	GGCTTATTGC	TGAGGGGCGT	6300
GGCCTGTTGT	AGGCGGAGCC	CAGGGGTGGC	ACTGACTGGG	ATGGCGGTGG	TGGAGATCAC	6360
TCTGCTCAGT	GGCTTCTCAC	CCCATAGAGC	TGACCTGGAC	AAGGTAGGGG	CCCAGGGGGA	6420
CTTGTGGGAC	ATGTTGGGGG	GTTGAGGGGA	GTTATGGGGT	GTGGGGTTTG	GGGGTGTGGG	6480
AGTTGTTGAG	GTGGCAGAAT	GTTTGGGTTG	GAGTCATGGG	ATATGGGGCT	ATTGGGGTTT	6540
GAGGGTGTGG	TGATGTTGGG	AAACATTGAA	TTGGGGTGTG	TGAGTTTGAG	GGTGTGGGGG	6600
TGTGCGGGTG	CAGAGCTGCA	GCTGCTGGGT	TGGAGTATTA	AGGTGTTGGG	ATGTTGGGGT	6660
GTTGGATGGC	TTGGATGCGG	GTGTTGGGGT	GGGCACGTAT	CTGGGTGCTG	CTGTCCCACA	6720
ACAGCTGCGG	GACGTGGTGG	ATCACTGGAT	CAGTCACTAT	GAGTTGGAAG	GAAACCAGTT	6780
GGTGCTATAC	CTGGATGAGG	TGTGTCCTCC	CGTGTACCCC	TATAACCCCA	GTGGCCCCAT	6840
GTTCTCATAT	CCCCCATGTC	CCCGTGTCCC	CACACCATAT	CCCATTCTCC	CCACACATCC	6900
CCGTGTTCCA	CCACGTGTCC	TCATTTCTGT	CCCTGTCCCC	AGGTCCCCCC	CGAGCGGCAG	6960
TGTCTCAGTT	TTGGGGCCAC	CCAGGACGCG	GCTGTGGGTC	ACATGCAGCC	GGCAATGGCA	7020
GCCATCTATG	ACTACTATGA	GCCTGGTGGG	TGGGGCCTTC	AGTGGGAGGG	GCCTAAATGG	7080
GTGGTGGTCT	TCATGGGTGT	GACCATTGGA	GGAGGCGTGG	CCGATCTGAC	CCCTCCATGC	7140
CCCATCCAGG	ACAGCGCTGC	ACCGTCTTCT	ACAACGCCCC	CCAAAGGAGC	AGCACCATCG	7200
CCACACTGTG	CTCCCCAAA	ATCTGTGAAT	GCGCCCAAGG	TAGGACCCCA	CTGTGACTCC	7260
ATATGTAGGG	CCCCCATCCA	GTGAACCCCC	ACATCCTCCT	CCTAATTTTT	GAAGATCTGG	7320
GGGTGAAATT	ATGGGGTTTA	TAGGGGAGCG	TGGTTGAGTG	ACATGCAGGA	CATGGAGGGA	7380
ACCCACACCA	AGAACCTTGT	GTTTTGGGTC	CCTGATGATG	TTGGGAGATC	CTATTGATGT	7440
TGGTGGTCCC	CAGGGGGGTG	TCCCCAAGCC	CAAAGGAGGA	CACAGGAGGT	GACAGCTGAT	7500
GACCGCCATG	ACTTTGCCTG	CTACAGCCCC	CGCGTGGACT	ATGGTGAGAT	CCCAAATCAC	7560
TGCACCTCAA	ACCTGACCCC	AAATTGGCTG	CATCCCGAAC	CCCAACTGCC	CTAAATCCCA	7620
TCTGCTGCCC	CTGAGTCCCA	CAGCTGCACA	CTGTACCCCA	CAAGTGGCCC	CTGAAGCCTA	7680
AAAACATTCA	CGAGGATTTT	GTAGTTTTTCT	CCCTGTACCC	CAGTTGTCCC	TCTGACCCCA	7740
AGAACCCAC	AGCTGCCCTA	TGCTGTCCCC	TGCCCCGCAT	AACTCCTCTG	ATACAATAAC	7800
CCCCGTGACC	CCATCTTTAT	GACCTCCATG	ACCTTTGACC	CCCAGCACTG	GTGGTTCGGG	7860
TGCTGTCCCA	GAGTGAGATA	GGGGCTTTTG	TGGCGTTTGA	GACGGAAATC	AAGGAGGTGC	7920
TGCTTGAAGG	TGAGACTGAG	GGTAGTGGGA	CGGACTGGAA	GGTGAGAATG	GGAGCACTGG	7980
GAGAGGCAGG	GAGTACTGAG	AGGGACTGGG	AATGACTGGA	AATTGAGACT	GGGTGGACTG	8040
GGAACCTCTG	TAGAGACTGA	ATGGGTATAC	TGGGAACACT	GGAAGAAGTT	GTGGGATGAG	8100

Figure 10c

A5FIN.txt

AAGAGGATGC	TGGGATAGGA	GACCCCCCCC	CTTGTGCTAG	GGGGGTCTCT	CAGCCATACT	8160
GGCACAATAT	GAGAGTATAC	TGGGTGGTAC	TGGGAAAGCT	GGGAGGACTC	ATACTGGTGT	8220
GTACTGGTGC	AGGGCAGGAC	ACAGCAGTGG	CCCCTGGGGA	GCGGAGGCGG	CTGCTGGTGC	8280
GGAAGAGCTG	CCCACTGCGC	CTGCAACTCC	ACAACATCTA	CCTGGTGATG	GGGGGCAGCG	8340
GGAGGACGCG	GGACCCTGAG	GGGCGGTGAG	AAGGGGCTGT	GCCCCATGTC	CACATGTCCC	8400
TGTGTTCTCA	TGTTCCCATG	TCCCATATCC	CAGTGTTTCT	AACCCCATAT	CCTTGACCTT	8460
GAGCCCATAC	CCTGATATCC	CTGACCCTGT	CCCCATTCTC	AGCCCCCAGT	TCCTGCTGGG	8520
CCCCCACTCA	TGGTTGGAGG	AGGTGCCATC	CCCTGGACGC	TGTAAGGCCA	CAAGGTTGCG	8580
GGGTTACTGC	GCCCAACTGC	AGGAGTTCCG	CACCCGCTTG	AGCCAACCTG	GCTGCCAGCT	8640
GTGAGCCCCCT	GGGAGCCACT	GGGAGCATGT	TGGGTGCAGC	TGGGACCATT	CTGGGGGTGA	8700
ACTGGTACCA	CTGTTGGATC	AGTTGGGATC	AATTGGGAAT	AAACTAGTGT	TGACTGGGAC	8760
CGTGTTGTGA	CCAAGTGGAA	GTGTGTTGGA	AGAAACTGAG	AGCTGCTGGG	GTTGAGTGGG	8820
AGCAACTGGA	ACTGTGTTGG	AACAAACAGG	GGACCAACTG	GGATCACACT	GTGGTCAGCT	8880
GGGATCACAC	TGGGTCAAAA	AAGATCACAG	TGGCCCAATT	GGGGTCATAC	TGGGGTGAGC	8940
TGGGATCAGA	ACGAGTTTAA	TAAACGTACA	GTCGTCCGAG	CCACCACAGA	GTCAGCCCTC	9000
CAGCGGCGCA	GAGCGGCGCA	GCGCGCACTG	GCTGCCCCG	GTAAGCGGAT	GTGACGTCAC	9060
TTCGCGGCGC	GCTATTCGAA	CTCCAGCAGC	GCCCCGCGGA	GCGCCCCAAT	GCCGCGGCCC	9120
AAACCGCGCA	GCCCCCGGCG	CCGGGGCCGC	CCCCCCCCCG	CCGCCCCCCC	GCCACCCCCC	9180
GCGCGGCCCTC	GCGGTGAGTG	CAGCCCCTAG	GAGTGCGGAG	TGTGGGGGCG	GGGGGGGGGG	9240
CGTCTGGAGC	GGAGCCTTTA	TCACCGCTGT	TTTCCCATT	TCCCCGTCTT	TTGCCCCCGT	9300
TTCAGCCCCG	CGGTACCGGC	CCGGTCAGAG	GGCGCTGCGG	GAGATCCGCC	GCTATCAGAG	9360
CAGCACCCTG	CTGCTGCTGC	GCCGCCAGCC	CTTCGCGCGC	GTGGTAACGG	GACTGCCCCG	9420
GAACGGGACA	CCCCCAACCC	CCCCCAACGG	GACCATCCCC	CCACGGATGG	ATCCCCCCCC	9480
ACACACATCC	AACGTGGGAC	CCCCCGCCCC	AAAATGAGAT	CTCAACGTGA	GATCTGGGGG	9540
CCTCAAAATG	AGACACTCTC	CCCCCTCCCC	CAACGGAAAC	CCCCGAAAAT	GGGACCACAC	9600
ATAAAAGTGG	GGACTCCCCCT	CCTCCCCCCC	GCCCCGTCAA	AATGGAACAC	CCCCAACTGG	9660
ACCTTTTCAA	AAATAACATT	CCCCTCCCCC	CAAAAATGGG	ACTTACCACA	AAGTGGGATC	9720
TTCCCCCAAA	ATGAACACCC	CCTCAAAATG	AGACCCCTCG	GACCCCCCCC	AACCCCTCTG	9780
CACCCATCGC	CGTCGTGCAC	GGAAGGGAAA	GGCTGTAGGG	TACATCTACC	CTTATTTCTT	9840
GGGTTTGTGT	TTTGTTTTGT	TGTTATTTAG	AAGCAAAACC	AAGACAACAA	AGCCCAGCCA	9900
ATGCCATTTT	CTGGCAGTGG	ACGCAGGCGC	AGGCGGGTTG	GTCACAAAGC	AAGAAGTTGC	9960
TGCGGGACTT	TGTCGTTTTG	GGGCCGTTCT	CGTGAACCTT	TGAGCCATGG	ATGAGGAAAT	10020
TACTTATGCT	GATTTAAGGC	ATCCTACGGG	CAGTTTGCCT	CCTGCTAAGC	GGCAGCGCGG	10080
TAAGGGATGC	TCTGTGTGGT	GGGTGCTCAC	CGCAGGCTTG	GTTTGGGGGC	TTGCTGTTCT	10140
CTGAGAAACA	CCAGCAATGC	TGGTTGGGTT	CTGGGTCCAC	CCTGGCTTGT	ATGGGGGAGT	10200
AAAGGAAGGG	GTGGGGGAGA	AGGAAGCCTG	GGAATGGCCA	GAGGTGTGGT	GTTTTT	10256

Figure 10d

A5FINB.txt

GTCCCTATTC	CCATTGTGTC	CTCACATCTG	CCATCTCTTC	CTGTCCCCAT	CTATGCTTTG	60
TGCCCCCAT	CCCTTACCCC	ATCCCCACGT	GTCCCTGTGG	TGCCACCTCC	ACACGTGTCC	120
CCGTGTCCCC	ACAGCGGGGC	CGTGGCGCAA	TAACACTGTG	ATGTGGCGCT	GCTGCCGGGA	180
CGGAGCGACG	GCGCTGCCCA	TCCGTGCCAC	GTGCCAGCAG	AGGGGACAGC	GGGTGACGAC	240
GGCCGGGGGC	TGCCGAGACG	CCTTCCTGCA	GTGCTGTGAG	GTGGCACAGA	ATCTGCGGCG	300
GAAGGGACAG	CGCGGGGGGT	TGGCACGGGG	TGAGTGTGAG	CAGTGTCCCC	AAAGCGGGGA	360
GGGGTGACCT	GGGGTGGTGG	CGGTGGGGTG	TGGGGGAGTT	GAGAAAATGG	GGACCCCAT	420
GGTGTGGGGA	GGTTTGGATA	AGGGGTCCCC	ATGGGTGGTG	GCACATGGGG	ACATCCCATA	480
GCCTGGGATC	CCATGGTTGG	GGCCATCCCG	TACCTGGGAT	CCCCACATGG	GAGGATGTCC	540
CCCGCTGTCC	CCATGGCAGT	GATGGAGGCA	CAGCTGGCAG	AGCAGCTGTT	GGATGATGAT	600
GAGGACGTCC	CCACGAGGAG	CTTCTTCCCT	GAGAGCTGGC	TGTGGCGACG	CATCCATGTT	660
GCTGGCACTG	CACGGTGTGT	CCCCGTGTGT	CCCCATGTCC	CCATGTCCCC	ATGACTTTGT	720
GTCCCCGTGT	CCCCATCTCC	CCATCTCCCC	AGGCTCTCAG	TGCTGCTCCC	TGACTCCATC	780
ACTACGTGGG	AGATTACAGG	AGTCGCCATC	GTCCCTGGAC	ATGGTGAGTG	TCACCCCCTC	840
CAATGGCCCT	GCAGTGTCCC	CCTGACATCC	CCCTCGTGGT	GTCCCCATGT	CCCCCACGTC	900
CCCAAGTTCC	TATGGTGTCC	CCATGTCCCC	CCTCTCCCCC	TCCCCCGGA	ATGTCCCTGT	960
GTCCCCGTGG	TGTCCCTGCA	CTGCCCCGCA	GTGATGAGGT	CCTGGCAGGG	CTGTGCGTGG	1020
CGGAGCCGCA	GCGGGTGACG	GTGACACAGG	ACGTGCGTGT	GGCGCTTTGG	CTGCCCCCCA	1080
GCATCCGGCC	CCTAGAGCAG	ATGCAGCTGC	AGCCCCTCAT	CCACAGCAGA	CTGCCCCGCA	1140
GCATCAACGT	AAGCCCTATA	GAGACCCCAT	AGGCACCCCA	GAGATACCTC	TTTCCCTCTA	1200
ATAAATACCA	CTTTGCTTCC	AATAGATAAC	CCTCCTGCCC	CATAGGTACC	CCTGTGCTCC	1260
ATACTTGCCC	TGCCACAGCA	TACATACCCC	TTTCCCTCCA	ACAGATATGC	GTTGCCCCAT	1320
AGATACCTTC	TTTCTGCCCT	ATAGATAAACC	CCTCATGCCC	CACAGATTCC	CGTTTCCTTT	1380
CAATTGGTAC	CCCCTGCCCC	TCATATATCC	CCCTCTACCC	CACGGATACC	CCCTTAGACA	1440
CCCGGTACCA	CTTCTGCCCC	ATGGATACCC	CCTGTGGCAC	ATAGATACCG	CTTCTGCCCC	1500
ACAGATACCC	CCTTCCTACT	CCACTGTCCC	ACAGCCCCCA	CTGCCCCATG	GCCACCCATA	1560
GCCTGGTGGC	ATCGGGTGAC	AGTGACGGTG	ATGCAGGTGA	CGGTGACACT	GTCGGCAGTG	1620
GAGGGGGTGT	GCGCGGCGCT	GGATGGGGTC	CCCCAGATGC	TGGAGCTGCC	CCCGGGGAGG	1680
GCAGTGGCTG	CACCCCTCAC	TCTGGTGGCC	CTCCACCCTG	GGGACATCCC	CATCACCATC	1740
ACCGCCCGCG	GGCCATGGGG	GCTGGGGGAC	CGTGTACCCC	GAGTCCCTGCA	TGTCGAGGTG	1800
AGATCAGTGG	GGTCCCCTCC	AGTCACCTGG	GTCACCTCTG	GGGTCCCTTA	AAGCCCTGCG	1860
ACCTCCTGGA	CATTGTTGTC	CTTGTGAGCC	TGCGGTACCC	CTGAATACTG	GGGCTGTCAC	1920
TTTGAGGTTT	ATGGACACCA	TGTCCCTGTG	TCCATGGTGG	CCCTGGACAT	GTTGGTCCTT	1980
ATGGGATCTG	GGGACATGGG	GTCCTTGGTG	GTCCTGGATA	CTGCAGTTGT	CCTTTTGTGG	2040
ACACTATGTC	CCCATGTCCT	TGGTGGGAAT	GGTGTGATCC	ATTCCCGCAG	CCTGAGGGAG	2100
AGCTGCACCT	GGAGGAGAGC	ACCTACATCC	TGGACGCAGA	TGGTGGGTGT	GAGGACTGGG	2160
GGACACTGGG	GAAACTGGGG	ACGTGGGGCC	GGACCCTGTG	GTGTGGTGTG	CCTACAGATA	2220
AGCGGAGCCG	GAGCCTGAAG	CTGCCGGGGG	ACGTCCCTGC	AGAGATCGTC	CCTGATGGGG	2280
ACTTCAGCAT	GAGCATCCGT	GTCAGTGGTG	TGTGGGGATG	GGGACATGGG	GTGGGGACAT	2340
GGGGGTGGGT	ACTGGGAACG	TGGTGGGGAT	GTGGTGGTGG	GCATAGGGGA	CATGGGGACA	2400
TGGGAGGACA	TTTGTGGGGG	ACATTGATGT	CCATCCCTGA	TCATCTCTCT	GTCCCTATGT	2460
CCCCATACCC	ATGTGTGTGG	CCATGTCCGC	ACGCTGTGCC	CCTGTGTGTG	TCCCCTGGGT	2520
GTCCCCACAT	GTGCTCACAT	CCTTATTACA	TCCCCACATC	TCCTGTGTAC	AACCCCGTGT	2580
GCCCTGATGT	GTGCCCCCTC	ACACATCCCC	ATGGGTGTCC	CAATGTTCCC	ATGTCCCTCT	2640
GCTCATCCCC	ATCCACATCC	CCATGCCTAT	CCCCTATCCC	CACGTTCCCC	CCATTTCCCA	2700
TCCTATCCCC	ATGTCCCCAT	GTCCCATATC	TCCATACCCC	TGTGACCCCA	TATCCCTGTC	2760
CTTCAACTCC	CCTCCCATCC	CCACACCATC	CCCATGTCTT	CTGTCCCCAC	ACCATCCCCA	2820
TATCCCCCTG	TCCCCCCTGT	CCCTGTCCCA	GGCCGGGTGC	CGGGCTGGGC	ACTGCAGGGC	2880
GCTCTGGGGA	TAGGGGACTC	TCTGCTCCGC	TCCCCCGGGG	GCTGTGGGGA	GCAGTCCCTG	2940
ATGTCAATGG	CACCCACTGC	TGCTGCTCTG	CGCTTCCTGG	ATGAGAGCGA	AGGGTGGGGG	3000

Figure 11a

A5FINB.txt

CAGCTGCCCC	CAGGGCACCG	ACAGCGCGGC	CTCAGAACCC	TGCAGCAGGG	TGAGCTATGG	3060
GGCAGGTTGT	GCTTTATGGG	GTGGGCAATG	CTTTATGGGG	TGTGCAGTGC	TCCAAGGGAT	3120
GTGCAGTGCT	TCATGGGGGA	TGCAGTGGGG	TTTGATTGGA	TTTGATTTAT	GGGTTTGCAT	3180
TTCTCCTCCG	AGGATTGCAT	CTCTCTATGG	TGTTTGCAAT	GGGATGTGCA	GTGCTCCAGG	3240
TGGAGGTGCA	GAGCCCTATG	GGGGTGCAGT	GCTGTGTAGG	GGATGTCTGT	GGTGTCCCCA	3300
ATGGTCTCTG	ATGTCCCCAC	AGGCTTCGAA	CGGGTGCAGA	GCTTCCGCAA	AAGTGACGGC	3360
TCCTATGGGG	CATGGCTGCA	CCGGGACAGC	AGCACCTGGT	GAGGGGAGCG	GGGATGATGT	3420
GGGGACATGG	GGATAGTGAG	GGGATGTGGG	GATGCTGGGG	TATGGGGATG	TGAGGACATC	3480
ATAGGGACAT	GAGCGGTGGG	GCCATGTGGA	TTTGGGGACG	TGGTGACACG	GTGTCCTGGT	3540
GCAGGCTGAC	GGCACTGGTG	CTGCGTGTGC	TGGCCCTGTC	CCGGCCCTAT	TTGCCAGTGG	3600
CTGCCAGCGG	CCCCGCTGCG	TCCCTGCGGT	GGGTGCTGGG	GCAGCAGCGC	CCAGATGGCG	3660
CCTTCTTGGA	GCACAGGGCT	GTGGTGCACC	GTGAGATGCA	GGTGGGTGAC	ACATCACTGC	3720
TGTGTGCAAT	GTCCCCATGC	AGGATCTCCC	CCTGCAATGT	CCCCTGAAGG	TCCCTGCAGG	3780
CTGACCCAC	ATTACACTGT	GTCACACAG	TGTCCCCGTG	TCCCCAGGGT	GGTGTGGCAG	3840
ACCCCGGCCC	GGAGGCCACC	GTGTCGCTGA	CGGCCTTCGT	GGTGGTGGCC	CTCCATGGTG	3900
CCCGCGCTCT	GCTGCCCCCG	GACAGCCCTG	AGCTGCCCTT	CCTGGTGAGT	CCCATGTCCC	3960
CACCCCTGTG	TCTTGGTCCT	CATATCCATG	TGTCCCTTGT	GCCCCATCCC	CCAAATCCCC	4020
ACATCCCCCA	TATGTTCCCA	TACCCTGCTG	TGTCCCCCCA	GTGTTCCCCC	GTCTTTCATT	4080
CTCCACTATC	CCCCGTATTC	CCATATGTCC	CCCTGTCCAC	CAGTGTCCCC	TCATCCCTCT	4140
GTGTCCCCCT	GTCCCCCAGT	GTCCCCCAG	TCCCTGTATG	TCCCCATGTC	TCCTAGTGTC	4200
CCCCATGTCC	GTGTCTCCA	GTATCCCCCA	TGCCTCCCCG	TGTCTCTTCA	TGCCCCACAC	4260
TCCACGTCCC	CACACTCCAT	GTCCCACTGC	CACAGGACAA	ATCCCTGTCC	CGGGCCTCCA	4320
CGTTCCTCCG	GGGCCGCGTG	GAGCAGTTGG	GGACCTATGG	GACAGCCATT	ACATCCTATG	4380
CATTGGCACT	GGTGGACACC	GCTCCTCCGG	GGCCGCATCC	GGCGGTGGAA	CGTCTGCGGG	4440
GCATGGCCCG	GAGCGCCCAC	GGTGCCTCTG	TCTCTGTCCC	CATGGGGTGG	TGGCACCTCT	4500
GTCCCCATGG	CTGCCTCCTG	GACCCCTCTG	TCCCTCCTT	CAGATTCACT	CTCATTCGAA	4560
TCCTTCAATT	TTATTCTCCC	TCAAACCTTT	CTTCTTTGTA	TTCTTCACAT	TCATTCTTAT	4620
TCAAATTGCT	CTCCTTCCTG	TCTGTTCTTC	TTCAAATTCT	TCTTCAATTT	TGTTCTCCTG	4680
ATTAATTCTC	TTAAAATTAA	CTCTCGATCA	AGTTCTGCAG	ATTCGTTCCA	CTTCGGATGG	4740
ATTCTTCTCC	AAACTGTTCT	TCAGATTAC	TCTCCTTCAA	TTTCGTTCTT	GTAATTAATT	4800
CTTCTTCAGA	GTGATTCTTC	AAACTCTTCT	TCATGTTCTC	TTCAAGTCCA	TTCCCTGCAC	4860
TGACTCCGGG	TGCTCAGGAC	CCCCCGTGA	CCCCATATGA	CCCCATATGA	ACCCCCCATG	4920
ACCTCCACAA	AACCATATGA	CCCCGTGACC	TCCCATGACC	CCTCATGACC	CCATATGACC	4980
CCCCATGACC	CCATCCCTGT	GCAGGTGGCC	GTGCAACCTT	CTGGCCATCC	GGTGGCCCCG	5040
CAGCCACGGT	GGAGGCGACG	GGTTACGCCC	TTCTGGCACT	GCTGCAGAGC	CGCGACATCG	5100
CCGGGGCTGC	GAGGGCGGCA	CGGTGGCTCC	GACAGCAGAG	CAATTACGGG	GGTGGCTTCC	5160
ACTCCACGCA	GGTGGGTGGG	GGTCACTGAC	CCCCCGGGTG	CCTCGGGGTG	GGGGTGATTT	5220
GATCCCCAGG	TACCTCTTTG	GTGGCTGTGT	CCCCAACCTG	CTTGGTGTTT	CCGCAGGACA	5280
CGCTGGTGGC	CCTGGAGGCG	CTGGCCAGA	TGTGGCTGCA	CTGGGGCCGT	GGGAACACAA	5340
TGGGGCTGAA	CCTGGGGCTC	TCCTGGCCGG	GGGGTGCCCG	GGGGAGGGCT	GGTGGCACTC	5400
AGGTTATGCT	GAAGCCGGGG	CTGGAGCCGC	TGGAGCAGGA	GCTGCAGGTG	GGGACATGGC	5460
GGGATGTGGG	GACACGAGGG	ATGTGAGGAC	ACTGGGGACA	TGTCTGGACT	TGGTAGGATG	5520
TAACATGAAG	AACTGGGGA	CATGGTAGGA	CATGGGGGAC	ATGAGAACAC	GGGATGTGGG	5580
GGACATGGTA	GGACATGATG	GACACAGGGC	TTTGGGGTCC	TTGGGTCTCT	GCTCTGTCCC	5640
CATGTCCCCA	GGTGCCTCTG	GGCAGCCCAG	TGACAGTGCA	GGTGGAGGGA	CACGGCGAAG	5700
GGACGCTGAC	GGTGGGTGGC	TGCATGGACA	TTGGTGTGAT	CTCCAAGACC	GATGTCCCCT	5760
CACAACCTCC	CCTCATGGTG	TCCCCTCATG	CTGCCACGGT	GTCCCCTGCT	GTCCCATCAT	5820
GGTGTACGCG	TGTCCCCAGG	TGCTCCGCCA	GTTCCGCCTG	CTGTACCTC	CGAACGCCAC	5880
GTGCCAGGCG	CTGCACCTGG	AGGTGGCCAT	CACCGGCCCC	ATCCTGTACC	ATGGTGAGGC	5940

Figure 11b

A5FINB.txt

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CCCACCCAAA GGGCCCGCCC CCTTTTCCTC GCGGGGGGCG TGCCCTCAAC CCTGTTTTGC 6000
ATATCCCAAC CCCCAGCAGA TGAGGACTAC GAGGACTACG AGGACTACGA GGAGGCGGAG 6060
CCTAAGGAGG GGGAGGAGCC TACGGAAGGG GCAGTGCCCG TGGAAGGGGC GGGGCCAGCA 6120
GATGACCCCG CCCCCTCAG CCCCCTGTCC TTATGGGATG CCCGTAAGCG GCAACGCCGC 6180
AGCACACATA ACCCTGCCCA CGAGGTGGCC TTCCTGGTCT GCTTCCGGTG AGGGGCGGAA 6240
CTTCCTGTCC CTGGGGGCGG GTCTTCCTGC TGATGGGCGT GGCTTATTGC TGAGGGGCGT 6300
GGCCTGTTGT AGGCGGAGCC CAGGGGTGGC ACTGACTGGG ATGGCGGTGG TGGAGATCAC 6360
TCTGCTCAGT GGCTTCTCAC CCCATAGAGC TGACCTGGAC AAGGTAGGGG CCCAGGGGGA 6420
CTTGTTGGGAC ATGTTGGGGG GTTGAGGGGA GTTATGGGGT GTGGGGTTTG GGGGTGTTGG 6480
AGTTGTTGAG GTGGCAGAAT GTTTGGGTTG GAGTCATGGG ATATGGGGCT ATTGGGGTTT 6540
GAGGGTGTG TGATGTTGGG AAACATTGAA TTGGGGTGTG TGAGTTTGAG GGTGTTGGGG 6600
TGTGCGGGTG CAGAGCTGCA GCTGCTGGGT TGGAGTATTA AGGTGTTGGG ATGTTGGGGT 6660
GTTGGATGGC TTGGATGCGG GTGTTGGGGT GGGCACGTAT CTGGGTGCTG CTGTCCCACA 6720
ACAGCTGCGG GACGTGGTGG ATCACTGGAT CAGTCACTAT GAGTTGGAAG GAAACCAATT 6780
GGTGCTATAC CTGGATGAGG TGTGTCCTCC CGTGTACCC TATAACCCCA GTGGCCCCAT 6840
GTTCTCATAT CCCCATGTC CCCGTGTCCC CACACCATAT CCCATTCTCC CCACACATCC 6900
CCGTGTTCCA CCACGTGTCC TCATTTCTGT CCCTGTCCCC AGGTCCCCC CGAGCGGCAG 6960
TGTCTCAGTT TTGGGGCCAC CCAGGACGCG GCTGTGGGTC ACATGCAGCC GGCAATGGCA 7020
GCCATCTATG ACTACTATGA GCCTGGTGGG TGGGGCCTTC AGTGGGAGGG GCCTAAATGG 7080
GTGGTGGTCT TCATGGGTGT GACCATTGGA GGAGGCGTGG CCGATCTGAC CCCTCCATGC 7140
CCCATCCAGG ACAGCGCTGC ACCGTCTTCT ACAACGCCCC CCAAAGGAGC AGCACCATCG 7200
CCACACTGTG CTCCCCAAA ATCTGTGAAT GCGCCCAAGG TAGGACCCCA CTGTGACTCC 7260
ATATGTAGGG CCCCATCCA GTGAACCCCC ACATCCTCCT CCTAATTTTT GAAGATCTGG 7320
GGGTGAAATT ATGGGGTTTA TAGGGGAGCG TGGTTGAGTG ACATGCAGGA CATGGAGGGA 7380
ACCCACACCA AGAACCTTGT GTTTTGGGTC CCTGATGATG TTGGGAGATC CTATTGATGT 7440
TGGTGGTCCC CAGGGGGGTG TCCCCAAGCC CAAAGGAGGA CACAGGAGGT GACAGCTGAT 7500
GACCGCCATG ACTTTGCCTG CTACAGCCCC CGCGTGGACT ATGGTGAGAT CCCAAATCAC 7560
TGCACCTCAA ACCTGACCCC AAATTGGCTG CATCCCGAAC CCCAACTGCC CTAAATCCCA 7620
TCTGCTGCCC CTGAGTCCCA CAGCTGCACA CTGTACCCCA CAAGTGGCCC CTGAAGCCTA 7680
AAAACATTCA CGAGGATTTT GTAGTTTTCT CCCTGTACCC CAGTTGTCCC TCTGACCCCA 7740
AGAACCCAC AGCTGCCCTA TGCTGTCCCC TGCCCGCCAT AACTCCTCTG ATACAATAAC 7800
CCCCGTGACC CCATCTTTAT GACCTCCATG ACCTTTGACC CCCAGCACTG GTGGTTTCGGG 7860
TGCTGTCCCA GAGTGAGATA GGGGCTTTTG TGGCGTTTGA GACGGAAATC AAGGAGGTGC 7920
TGCTTGAAGG TGAGACTGAG GGTAGTGGGA CGGACTGGAA GGTGAGAATG GGAGCACTGG 7980
GAGAGGCAGG GAGTACTGAG AGGGACTGGG AATGACTGGA AATTGAGACT GGGTGGACTG 8040
GGAACTCTGG TAGAGACTGA ATGGGTATAC TGGGAACACT GGAAGAAGTT GTGGGATGAG 8100
AAGAGGATGC TGGGATAGGA GACCCCCCCC CTTGTGCTAG GGGGGTCTCT CAGCCATACT 8160
GGCACAATAT GAGAGTATAC TGGGTGGTAC TGGGAAAGCT GGGAGGACTC ATACTGGTGT 8220
GTACTGGTGC AGGGCAGGAC ACAGCAGTGG CCCCTGGGGA GCGGAGGCGG CTGCTGGTGC 8280
GGAAGAGCTG CCCACTGCGC CTGCAACTCC ACAACATCTA CCTGGTGATG GGGGGCAGCG 8340
GGAGGACGCG GGACCCTGAG GGGCGGTGAG AAGGGGCTGT GCCCCATGTC CACATGTCCC 8400
TGTGTTCTCA TGTTCCCATG TCCCATATCC CAGTGTTTCT AACCCCATAT CCTTGACCTT 8460
GAGCCCATAC CCTGATATCC CTGACCCTGT CCCCATTCTC AGCCCCCAGT TCCTGCTGGG 8520
CCCCACTCA TGTTTGGAGG AGGTGCCATC CCCTGGACGC TGTAAGGCCA CAAGGTGCG 8580
GGGTTACTGC GCCCAACTGC AGGAGTTCCG CACCCGCTG AGCCAACTGG GCTGCCAGCT 8640
GTGAGCCCCT GGGAGCCACT GGGAGCATGT TGGGTGCAGC TGGGACCATT CTGGGGGTGA 8700
ACTGGTACCA CTGTTGGATC AGTTGGGATC AATTGGGAAT AAAGTAGTGT TGACTGGGAC 8760
CGTGTTGTGA CCAACTGGAA GTGTGTTGGA AGAACTGAG AGCTGCTGGG GTTGAGTGGG 8820
AGCAACTGGA ACTGTGTTGG AACAAACAGG GGACCAACTG GGATCACACT GTGGTCAGCT 8880

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Figure 11c

A5FINB.txt

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GGGATCACAC TGGGTCAAAA AAGATCACAG TGGCCCAATT GGGGTCATAC TGGGGTGAGC 8940
TGGGATCAGA ACGAGTTTAA TAAACGTACA GTCGTCCGAG CCACCACAGA GTCAGCCCTC 9000
CAGCGGCGCA GAGCGGCGCA GCGCGCACTG GCTGCCCGCG GTAAGCGGAT GTGACGTCAC 9060
TTCGCGGCGC GCTATTCGAA CTCCAGCAGC GCCCCGCGGA GCGCCCCAAT GCCGCGGCCC 9120
AAACCGCGCA GCCCCCGGCG CCGGGGCGCG CCCCCCGG CCGCCCCCCC GCCACCCCCC 9180
GCGCGGCCTC GCGGTGAGTG CAGCCCGTAG GAGTGCGGAG TGTGGGGGCG GGGGGGGGGG 9240
CGTCTGGAGC GGAGCCTTTA TCACCGCTGT TTTCCCGATT TCCCGTCTT TTCGCCCCGT 9300
TTCAGCCCGC CGGTACCGGC CCGGTCAGAG GCGGCTGCGG GAGATCCGCC GCTATCAGAG 9360
CAGCACCGCT CTGCTGCTGC GCCGCCAGCC CTTCGCGCGC GTGGTAACGG GACTGCCCCG 9420
GAACGGGACA CCCCCCAACC CCCCCAACGG GACCATCCCC CCACGGATGG ATCCCCCCCC 9480
ACACACATCC AACGTGGGAC CCCCCGCCCC AAAATGAGAT CTCAACGTGA GATCTGGGGG 9540
CCTCAAAATG AGACACTCTC CCCCCTCCCC CAACGGAACA CCCCGAAAAT GGGACCACAC 9600
ATAAAAGTGG GGA CTCCCCT CCTCCCCCCC GCCCGTCAA AATGGAACAC CCCC AACTGG 9660
ACCTTTCAAA AAATAACATT CCCCTCCCC CAAAAATGGG ACTTACCACA AAGTGGGATC 9720
TTCCCCCAA ATGAACACCC CCTCAAAATG AGACCCCTCG GACCCCCCCC AACCCTCTG 9780
CACCCATCGC CGTCGTGCAC GGAAGGGAAA GGCTGTAGGG TACATCTACC CTTATTTCTT 9840
GGGTTTGTGT TTTGTTTTGT TGTTATTTAG AAGCAAAACC AAGACAACAA AGCCCAGCCA 9900
ATGCCATTTT CTGGCAGTGG ACGCAGGCGC AGGCGGGTTG GTCACAAAGC AAGAAGTTGC 9960
TGCGGGACTT TGTCGTTTTG GGGCCGTTCT CGTGAAC TTCGAGCCATGG ATGAGGAAAT 10020
TACTTATGCT GATTTAAGGC ATCCTACGGG CAGTTTGCCT CCTGCTAAGC GGCAGCGCGG 10080
TAAGGGATGC TCTGTGTGGT GGGTGCTCAC CGCAGGCTTG GTTTGGGGGC TTGCTGTTCT 10140
CTGAGAAACA CCAGCAATGC TGGTTGGGTT CTGGGTCCAC CCTGGCTTGT ATGGGGGAGT 10200
AAAGGAAGGG GTGGGGGAGA AGGAAGCCTG GGAATGGCCA GAGGTGTGGT GGTTTT 10256

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Figure 11d

Contil31.txt

AGAAGAGCCC	CGTGATGTCC	TCCAGGTGCG	GTCCCTCGGT	GCCTGTGGGG	ACAACGACAG	60
CCCTAAGCAC	AGTGTACCA	TCCTGGGTGG	GGTCCCCAAC	CCAAATCCAT	GATCTCCCAT	120
TGTCCCAGGC	CATGGTCCTG	ATGTCCCTCA	GACCCTCCTA	ACCATGGTCC	CAGCATCCCA	180
ATACCTCCAC	GTGTTTCCAA	TATCCCCACA	TCCCCCCTCA	CCAGCCAGGA	GCAGTCGGAC	240
GGAGACACGC	ATTGGTTTGG	CCAGTGACAGT	GTGGGTGACA	ACGCAGCTGT	AGATGTCCCC	300
GTGGTGTTGG	GGGCGTGCGG	GGATCAGCCG	TGCTGCCGCC	GTCCGGCTGT	AGGTTCCATC	360
GGCTGCCTGG	CGGTGACCTG	AAGTCCAGCT	GTCCATCACT	GTGTCCCTGG	GTGACTGTGA	420
TGTCCCCGAG	CCCCCGGCGC	GGCGCTGCCA	CGTCACCGTC	ACATCCAAGG	GGTAGAAGCC	480
AGACACGTGG	CAGCGTAGCT	CTGCTGACGT	CCCCGGGGCC	ACCACCAGGT	TCTTCGGGGA	540
CAGCGTCACC	TTGGGGGGCT	CTGGGAGACA	TGTGGGGGGA	CATCGGTCCC	ATATAGCCCA	600
TAGGGCCCCCT	CCTATAGGGC	TCATCCCCCC	CTATAAACCT	ACAGGTGAAC	TATGGGATGA	660
TGCCACCCCA	TCCTATAGTC	CTCATAGGAA	TACCACCCGG	TCCCATCCAC	CCTATAGCCT	720
CCATAGGAAT	ACCACCCAGT	CCCATCCACC	CTACAGCCCC	CCACAGGAAT	ATCACCCAGT	780
CCCATCCACC	CTACAGCCCC	CATAGGAATA	CCGCCTGCTC	CCATATGTCC	TATCTGACCA	840
ATAGGAATAC	CACCCAGTCA	TACACACTCC	GTAGGAACAC	TGCCCAACCC	CACACCCCAT	900
AGGAACACCG	CCTGCCCCAC	ATGGACGCAC	CAAAGACGTG	GAGCTGCAGC	ACTGTCTGTG	960
TGTGCCCCGTG	GGGCAGGAAC	ACGGAGCAGA	TGTAGGTGCC	CTCATCCCCC	GGTGATGGCC	1020
GCGCCAGCCG	CAGTGTACCC	GCTGTCACCC	CGTCCCCATC	CCGTGTCCCC	AGCAGCAGTT	1080
CGGCCCCGGG	GGTGGCGCGG	GGGGCGCGGG	CGGTGGAACT	GTCATAGG		1128

Figure 12

AB1B3FOR.txt

CCAACCTTCCT	TTGGTTCAGG	GAAGAAGACT	CACCCACTGC	TTTGGTTTGT	TGCACTGGAA	60
AAGCATGAAG	AAAGCACCAC	ATGATGAGAG	GAACAGTTCA	TCCCACAGCT	CACGCAGGAA	120
GAACCCATTT	TTAATTTAAT	TTGGGAGGGA	GCACTCACCC	AGGTCTGAAG	CTAGTTTATC	180
TGCAATGAAA	CAAATAAGAA	ATGCATGATG	AGAAGGGTCA	GAATATCATC	CCATGGCTGA	240
TCCCATGGGA	AGACCCCGAA	TCTCTTTGGT	TTGCGGAGGA	GGACTCACCC	AACTGTGCAT	300
TCCTTCCCTC	TGCAAAGGGA	AAGCAGAAAC	AGTG			334

Figure 13

AB1C1FOR.txt

TGGGATCAAG	TTGAGTAGAC	ATAGCATCCT	CGCTTTTAGA	CAAGACCTGC	ACAGTATACC	60
ACCGTTTACT	GTGCAGATAA	TGACCAAAAG	CAATATGCGT	CACACTTTTC	TGGTGACAAC	120
GTCACAAAAT	GGCGGTCGTC	AATCGTGACG	AACAGCACAA	ACGCCCTTTC	TCATCGAAGA	180
TTTCAATCTG	CCAGACCTGG	TGACGCGAAC	CGAGATGCAA	CGGTTTGCAT	ACGCCGCGCA	240
CCCGCCCTTC	TCGTGCCGAG	CGGACGTGGT	TAGCATTGAT	TTCCAGACCA	ACCACTTTTT	300
GCTCACCTTC	GGTACATAAA	TAACCGGCAA	CGGAACCGAT	ACTTTCGGCC	ATTACCACGG	360
GTGCTCCTCC	ATGCAGCAAC	CCGAAAGGCT	GCTTTGTCCG	CGAGTCTACT	GGCATTGTCG	420
CTTCAAGGGT	GTCATCACCA	ATATGTTCAA	AGCGAATATC	CAGGAACCCC	ACCATGTTTC	480
CTTCACCCAT	AGCATTCACT	GCTTCCAGGG	TGATTTTCCG	TTTCCAGATC	ATTTAATAAT	540
CTCCAGTTAA	AGCCTGCACA	GGATGGCTTA	CCCCGTGCCT	TCAACCCGTT	TTATCTGGCT	600
ACGGCAAGGA	ATATCCGGTT					620

Figure 14

AB3A11RE.txt

CCGTCGCCTC	GGCTCTCCCT	CGGGCTCCAC	CCCCCGTTC	CGCCCCTTTG	CCGCCGCATC	60
TCCCGCTCTG	TACCCTCCCC	AAGAAGTCGC	TCAGACGGCG	TCGCGTTGTC	TGCACATCCT	120
CGGGGACCGT	CTGTTGTGCG	GCAGCAGGGG	AGGGGAGCGG	GCGGTCTGTG	CTCTTCTATT	180
CCCTTCAGTA	CAAGAAGGTG	GTTTGGGTTC	TTTAACCAAA	TATACTCTTT	TGTTTTTGCA	240
TAAAATCACC	AGAAGGAATT	GGTCTGTTGA	ATATATAGGA	GTGGTGGAGA	GAGTCGAAGA	300
AGTGTTTCCT	GTGACAAAAC	ACCGTTAAAA	GTGAATTCAT	GGAGAACGCA	CTGCAGTGAC	360
ACAGAAGGGA	AAACACGAAA	CATAAATAAT	TTGCCGATTT	ATCATCGATT	TCAGGGTCCT	420
TTGGGCTGAT	TGCTTTCCCA	GTATTTCCCT	TTGGAGAAAA	ACCGGTGAAA	AATGG	475

Figure 15

AB5B6FOR.txt

TCACCTGGCT	TTGCTGCTCC	AGACCCCGCA	GGAAGCGACC	CCCCTGGCCC	CTGGCATCCC	60
GCAGCCCCAC	ACGCAGCTGT	GCACGGCCCC	ACACTGGCGC	CCCATCTGGG	AATCTGGGGG	120
TCCAAAGGGT	CAGTGGAGTC	AGGCGGGTCC	AAAGGTCAGT	GCGGTCAGGA	GGTCCCCAGA	180
TGTCAATAGG	GTCAGGGGGA	GGGATCCCAA	AGGCCAATAA	GGTCAAGGGG	AGAGATTCCA	240
AAGGTCAGTA	GGGTCAAGGT	GCCCCAGAGG	TCAATAGGGT	TGGGGGAACC	CAAAGATTAT	300
AGGGTCAAGG	AGTGACCCCA	AAGGACATCA	GGGCCACTGA	TTTGGGGTGG	ATGGGAGAGG	360
AATTTGGGGA	GTTCAGGAGA	GTTGGAGGGG	ATTTGGGAGG	TTTTGGAGGA	GACAGATGGG	420
GATTTTGGTG	GGAATTTGGG	GAAGATTGGG	TGGGATTTGG	GATTTGGGTG	GGATTTAGGT	480
GGGGATTTGG	GGGGATTTTG	TCTCTGGGTG	TCCCATAC			518

Figure 16

AB6E4FOR.txt

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CCTGAAACTT TGGGGTGAGC ATCTCCATCA GTCATCTGC AATGCAATGG GATCTTCCAG    60
TCTTTGGGTT TTGTGCTCGT TGTGCCACTA TTTTCATGGC ATCCTAAGAT GGTGCTGTAT   120
TATTTTGTG  AACTGTAAG  AGACTGGAGC AGAAATTTG  TCACAAATTA AAAAAAAAAA   180
AAAAAAAAAA AAAA                                     194
```

Figure 17

AB6G8REV.txt

GTTCTATGAT	TTCTTTGGTC	CGAATACCAT	GAAATCTGAT	ATTTCCATTT	CAGTATCTGA	60
ACTGGGTTCT	CTGCTGGATC	ACAGTGGTCC	ACACAAAGAA	GCAGAACAGT	ATATCGCTCG	120
CGTCTTTAAC	GCAGACCGCA	GCTACATGGT	GACCAACGGT	ACTTCCACTG	CGAACAAAAT	180
TGTTGGTATG	TACTCTGCTC	CAGCAGGCAG	CACCATTCTG	ATTGACCGTA	ACTGCCACAA	240
ATCGCTGACC	CACCTGATGA	TGATGAGCGA	TGTTACGCCA	ATCTATTTCC	GCCCGACCCG	300
TAACGCTTAC	GGTATTCTTG	GTGGTATCCC	ACAGAGTGAA	TTCCAGCACG	CTACCATTGC	360
TAAGCGCGTG	AAAGAAACAC	CAAACGCAAC	CTGGCCGGTA	CATGCTGTAA	TTACCAACTC	420
TACCTATGAT	GGTCTGCTGT	ACAACACCGA	CTTCATCAAG	AAAACACTGG	ATGTGAAATC	480
CATCCACTTT	GACTCCGCGT	GGGTGCCTTA	CACCAACTTC	TCACCGATTT	ACGAAGGTAA	540
ATGCGGTATG	AGCGGTGGCC	GTGTAGAAGG	GAAAGTGATT	TACGAAACCC	AGTCCACTCA	600
CAAAGTCTG	GCGGCGTTCT	CTCAGGCTTC	CATGATCCAC	GTTTAAGGTG	ACGTAAACG	660
AAAGAAACCT	TTAACGAAAG	CCTACATGAT	GCACAACAAC	AACTTCTCCG		710

Figure 18

B5FOR.txt

CCACCACCGC	TTTGGGCAGT	GCCAGTGCTC	CTCACAGGCT	GTGGGGCAGA	GCAGGTGACC	60
CCCCAAGGAT	TTCCCTTACA	AAGAGCCCCA	CAGAGACAGA	AATCCTTCAC	CTGAGCTGCA	120
GCAAGCGCGC	GGCTACACCC	AGCATCAATC	TTTGCCCAGC	TTCTACCTTT	GCCCAGCTTC	180
TACCTTTGCC	CAGCTCCAGG	GTGCAATGCG	AGCAACTTGG	CATCAGACCA	ATACAGTCAA	240
AGGTTGGAGA	ACATAAAACA	CATCCCATTG	CAGCTTTGTG	CACCACCCTG	GGTCTCTGCT	300
ATCACCAGGA	ACATGGACAC	AGGAGAAGCT	TTGCCATAGC	ACAGGAGAAA	GCTGTGCGCT	360
GCACTTCATG	AGCATTTCTC	TCAATTTCTC	CTGTATCCCA	CAGGTTACAG	GCACCAGTAA	420
TTCTGCCAGA	GCTATTCTGA	AGGGCACGTG	GTGAAGGATT	ATGGCTTGGA	GCAGTGGGGA	480
GAGCCAAAAG	CCCTTCCCAC	ACTTGATGCA	CTCCAAGGGT	GTGATCCCAG	CATGCAGCCT	540
CTCATGTTGG	AATGGTCAAT	TTTATCCTAA	AATCCTCTTG	CACTTGAGAGC	AATGTTGAGT	600
TATTTTCCCC	ATGTGCATTC	ACAGTGAGGT	CCCCCTGAAG	CCTACTCTTC	TCCAGCCAAT	660
TTCTTATGAT	CACGAAGGGG	ATGATATGAT	GGTGACATGG	GGGATTTCCA	CGTGATGCT	720
GCAGGGCAGA	TGGGGAAGGG	GTGAGGGGAG	ATGCCACCA	GCAGAGTTCC	CAATCAGGAC	780
ACAGCAGTTT	TGCTGCCAGC	ACCAGGAAGC	AGCTTCCCCT	CCTTTCCTG	CTGGGAAATC	840
ACTCCTTTGG	AATGTTTTTT	TTTTTCTGCT	GCTCACCCAC	ATTTTGCACA	GGGCTGATCT	900
TCCAGGTCAG	CCCAAACCTCT	GCATCCCCGC	ACGGATAACC	TCTCCCTCCC	TAAGAATCAG	960
TGCATCCTGC	CTGCCTGCAA	AGCAGCTGCT	GAGATGTCTT	TTGCAGCCCT	TATTTCCCGCA	1020
GACCCCGTGC	AGAACCACAC	ACATCTCCAT	CCTCTCCTCC	GTTGGCAAGG	AATGGGTTTG	1080
CAAAGGGATG	GGCACAACCA	GCAATATGCA	AAGGAAGAGG	TGTCGAAAGT	CTGGGGAGCA	1140
ATGAATCTGT	CCCCCGGAAG	ATGTTTCCAT	GGGGCAGTTA	AGGAGGAGAA	TTGGAAATGA	1200
AGCAGATGAT	GCAGCAATGA	AACTATCCCA	GAAAAGGGGG	GAAAAGCAAT	TCTGGTAATG	1260
AAGATACATA	AAGGAGAAGG	GCTTCTCGCT	GTCTGGACGC	AGTTCTGTTG	GTTAACGTCT	1320
TTTCTCTTTG	TGCTCTTTGC	ACTTTTTTCT	TTGCCTGCTC	TGGTCAGGAT	GAGGCAGAGC	1380
CCTCACGGGG	CCCTTTTACA	CCTTTTTTTA	GCACACAGAA	GCGCAGCGGC	CGTCTCAGCA	1440
CCCAGCATCG	ATGAGAAGGG	ACTGCAAATA	AATTAAATGC	GTTACTGAAT	AGACAGTCGT	1500
AATTAAAAGT	CAAACCCATC	CCCTCCCAGT	ATTCCAGCTG	CCGAGGCATC	GGTTGGCACA	1560
GAATCACCAA	ATATTGCCTT	TCTTCCCCCA	TCCCCGCTTA	TCAGCCAATG	CTCTCTGACC	1620
CCTAAAAGGT	CTCGATTTGG	GGTCTTTTTG	TTGTTGTTGT	TGTTGTTCTG	GGTATTTTTTA	1680
GGCTTTTATT	ATCAGCGATT	TTTCAGCTTC	TCACTGCTTA	CCCCCAGCT	CAGCACCGCA	1740
TCGCTCACTG	CCATCGCTGA	ACCCAGCGGC	GTTTCCATCC	CTCAGAGAGC	AGCAAAATGA	1800
GACATCGGCC	GTCGTGCACG	GAAGGGAAAG	GCTGTAGGGT	ACATCTACCC	TTATTTCTTG	1860
GGTTTGTGTT	TTGTTTTGTT	GTTATTTAGA	AGCAAAACCA	AGACAACAAA	GCCCAGCCAA	1920
TGCCATTTCC	TGGCAGTGGA	CGCAGGCGCA	GGCGGGTTGG	TCACAAAGCA	AGAAGTTGCT	1980
GCGGGACTTT	GTCGTTTTGG	GGCCGTTCTC	GTGAACTTCT	GAGCCATGGA	TGAGGAAATT	2040
ACTTATGCTG	ATTTAAGGCA	TCCTACGGGC	AGTTTGCCTC	CTGCTAAGCG	GCAGCGCGGT	2100

Figure 19a

B5FOR.txt

AAGGGATGCT	CTGTGTGGTG	GGTGCTCACC	GCAGGCTTGG	TTTGGGGGCT	TGCTGTTCTC	2160
TGAGAAACAC	CAGCAATGCT	GGTTGGGTTC	TGGGTCCACC	CTGGCTTGTA	TGGGGGAGTA	2220
AAGGAAGGGG	TGGGGGAGAA	GGAAGCCTGG	GAATGGCCAG	AGGTGTGGTG	GTTTTGAGCA	2280
AAAATCAGCC	CAGATCGGGA	AGCCCAATGT	GAGAGAATGG	AATGAAATGG	TGGCAAACGC	2340
ACCCTGCATC	CACGTGGCAT	GAGGGCTGCA	GACATCCCCG	CCCTCCCAGC	CACCGGCTGC	2400
CCCACACTGG	GCTCAGCTCA	CAAAGCCTGG	GGGCTGCTCA	GCTTCCACCC	CATGCTCTAT	2460
GGAGCCTGCA	GGGCCTCCAC	CACCTCCAGA	ACCACACGTG	GAGGTGATGT	CCCTGTGTCC	2520
ATCTGACCTC	CAGCGGGAGC	CCATCCCATG	CTCCCTGCTG	CTGTCACCCC	TCTGTGCCAC	2580
CTCCTTCCCA	GCTGGGAACC	ACTGGGAGCC	ACTGGGAAGG	GTCCAGGGGA	CCCTGGAACT	2640
GGAGGAAAAC	AAACAGGCAT	CAACTTCTGC	TCATACACAG	CATGGGAACC	AATGGGAAGG	2700
GTCCGGGGAC	CCCAAATTCT	CAAGGAACCA	AAGCAGCCAT	CAACTACCGG	ATTTGTTGTT	2760
CAGCAGAATG	CATCTGTGTG	CCCCATCCCC	ACTCCACTTC	ATTTCCTTTC	TTTTCCCTGCA	2820
ATAGGAAATC	CATCTTGGAG	GGGACGGGGA	CACAGGCAGG	CTCACAGAGG	GGACCCTGGG	2880
GTAGCAGTGC	CGGATTTGGG	CTGAGGCCCA	TAGCAGTGAC	CACAGAATCG	GTCATTTGTC	2940
CGTTCATGGT	GAAGATGGGA	GGGGGTTTCA	CAGAAGCACT	CCCTGGGACT	CCCAGAGGGC	3000
TGTCTCAGAA	CCGCTGCTTT	CCTTGACACAG	AAGATGAACC	ATTTTTGTAG	GGGGAGGGTC	3060
CAGGATGTGG	TTGCAGTGTG	AACAAAGCCT	GTGTGCTTTT	ATAATTCTCT	TCCTGCCTGC	3120
TGCTGTCAAT	TCTGAGGGCT	GAATGGGCAG	CACGGGCAGA	CAGCAGCGTG	GCTCCGACAC	3180
TTCTATGTCT	GCAGTGCCCA	TTGCAGGAAG	AGAAAAGAAA	TGGAGTGGGG	ATGGGGGCAA	3240
CAGATGCATT	CTGCTGAACA	ACAAATCCGG	TATTTTTTTA	TTGAGAGAAA	TAACACAGGA	3300
TTGTGAGCTG	ATTGCATGAG	CGCATGCAGC	GATGTCCCCC	CGTGTGCCCC	GGCAGTGCTG	3360
GGGTCTGCAC	AGCCCAAACCT	CCTCACAGAG	CCGTATTGCA	GAGCTTCACC	CCAACGCCTG	3420
GGGCTTTTGG	GGTGGGCACA	CATCAGAGGG	AGGGACTGCG	TTGCCCTCCA	TCTCCTGCAC	3480
ATTATGGATG	GAGACGTAAA	GGTTCCTTCT	GGCAGACCCA	CTGGTGTTCA	CCACTACAGA	3540
CGTCGCCCTC	CACTTTTGTG	TTCTTGAAGG	TCCCGCAGCG	ATTCTCCATC	ACGGAAAGGT	3600
TATCAGACCT	GCAAAATAAG	GCTGTTTGCA	CCCAAACACC	CGACTTGAAG	GAGGCGGGCA	3660
ATGGTTGCAG	AAATACTCAC	TCTGTGCTGT	TGTAGGAGGA	GTTGTCCACC	CATTTCCATT	3720
GATTTGTGGA	CACTTCTAAT	CCAATCCACA	CCGGCTCCGC	ACCTGCCATC	TGCTGGAGGT	3780
GATCCTGGGA	AATGGCACCA	AAATCCTTCT	GCAAGGGGCT	GGAGGGGTGC	AGAGCCACCA	3840
AGTCTGCCTT	GTTGGACCCC	CAGCAGATGG	GACTCAGACA	GCAGCCATGC	CTGGAATGCT	3900
GCCTGGCTCT	GCAGGCGGCT	CAATGGGTGG	GAATGGCTTC	AAACCCGAGA	TGGAGGCACC	3960
GGTGTGACCA	GCTGAGCTCT	GCTTCCATCC	TTCAGCCTGT	TTGAAGGGTG	GGAGGGGACA	4020
CAACCCCCAT	GTCCCACCCC	TAGCCTGAAC	CTTGATGTCC	TTAACTCAA	CCATAATGTG	4080
CGCAACCCCA	GCGTGCCTGA	CCCCAACCCG	TGTGCCTACT	GCCATGTGTT	GACCCCTAAC	4140
CCTAAAGGGC	ATAATCCAGA	CCCCAATCTC	TCCAGTGATG	CTTTAGCCCC	ATTTGGGTTT	4200

Figure 19b

B5FOR.txt

GGAACCACTG	ACCCTCCTGC	TGCCGCCCAG	TCCTCCAGA	GCGGTTTTCT	CCCACAGAAT	4260
CCACCAAACC	CACACATTTT	CAGGTCCCGT	CCAGCTCCCT	GCTCTATGCT	TACCTCTTCT	4320
GCCTTCTTCC	GGAGCACAGC	CAGCTGAGAC	TGCAGATTTT	CACACTTCAT	TTTGTCTTGT	4380
GTCCAGTTCC	CCTTTTCTGT	GGAAAGCTCA	TAGCATCGGT	CCCCTAAAAG	CCTCCAGAAC	4440
TGGGGACAGA	GCAGGCAGGC	AGCAGGGGCT	GGAGAGAAAG	AGCCGTGAGC	ATCTTCAGGT	4500
GGGAGAAATC	CCACCCAGGA	GGATTTCCCT	GGGAAGGGCA	TTACCTGCAG	AGCTGTTCCA	4560
TGTGGATTGG	CAGAAGTACT	GCTCAATGGA	GGTATTCTCG	CAGAGCTCTG	TCCCATTCCCT	4620
CCCGTTGGTC	TCAGGGCAGT	GCCGGGCAGC	GCTTGGAGGT	GGTGTGTTTT	TCTGAAAGAC	4680
TTTTGGGCAC	AACCTGGGGT	GAGACGCGGC	CCTATGGGGC	CAACCCCGTG	GAAACCACGC	4740
AGGGTTGGGG	TTGGATCCTC	GAGCTCTTTT	GCAAAGCCTT	TCTGGCTATG	GTTGCACTCA	4800
GTTAATTAAA	CTGTCTAAAA	CCATATTTTG	TATATAATTA	GACATGATGT	TTACTGCTTC	4860
TGTCCCCCCC	TTGGTTTAAG	AGCAGAGAGG	CTCTGCAGA	AGGGAATTCC	TCTCACTGAG	4920
TGCCACTTTG	GAATTGTTGT	GTGATCACCC	AACTCCAGT	GCAAAGCCCC	AGCCCCACTT	4980
TGGGCAGAAT	GAATGTGTTT	TCTGCTCAGA	AGAGCTTCGA	TTTCCTGTGC	AGCAATGTGG	5040
TTGGGATCTG	ATCACTCACC	GCACACGCTG	AGCCCTGTCA	CCAGCAGCAG	CAGCAGCAGC	5100
AGCAGCACCC	CCAGCATGCA	GGCTTTCTGG	AAGTCCCACG	GAACTGGAAG	AGCCCACACT	5160
TATATAAAAC	AGACATTTTG	AAAAAACTTT	TCCTTTTACA	GAAATGATCT	CCCTGTGAAA	5220
GAGCCCCTCC	ACCAACCTGC	TACGTTAGAG	CAGAAGTTGA	TGGCTGCTTT	GGTTCCTTGA	5280
GAATTTGGGG	TCCCCGGACC	CTTCCCATTG	GTTCCCATGC	TGTGTATGAG	CAGAAGTTGA	5340
TGCCTGTTTG	TTTTCTCTCA	GTTCCGGGGT	CCCCTGGACC	CTTCCCAGTG	GCTCCCAGTG	5400
GTTCCCAGCT	GGGAAGGAGG	TGGCACAGAG	GGGTGACAGC	AGCAGGGAGC	ATGGGATGGG	5460
CTCCCGCTGG	AGGTCAGATG	GACACAGGGA	CATCACCTCC	ACGCGTGGTT	CTGGAGGTGG	5520
TGGAGGCCCT	GCAGGCTCCA	TAGAGCATGG	GGTGGAAGCT	GAGCAGCCCC	CAGGCTTTGT	5580
GAGCCGAGCC	CAGTGTGGGG	CAGCCGGTGG	CTGGGAGGGC	GGGGATGTCT	GCAGCC	5636

Figure 19c

B5REV.txt

CCCAGAACCC	AACCAGCATT	GCTGGTGTTT	CTCAGAGAAC	AGCAAGCCCC	CAAACCAAGC	60
CTGCGGTGAG	CACCCACCAC	ACAGAGCATC	CCTTACCGCG	CTGCCGCTTA	GCAGGAGGCA	120
AACTGCCCCG	AGGATGCCTT	AAATCAGCAT	AAGTAATTTT	CTCATCCATG	GCTCAGAAGT	180
TCACGAGAAC	GGCCCCAAAA	CGACAAAGTC	CCGCAGCAAC	TTCTTGCTTT	GTGACCAACC	240
CGCCTGCGCC	TGCGTCCACT	GCCAGGAAAT	GGCATTGGCT	GGGCTTTGTT	GTCTTGTTTT	300
TGCTTTTAAA	TAACAACAAA	ACAAAACACA	AACCCAAGAA	ATAAGGGTAG	ATGTACCCTA	360
CAGCCTTTCC	CTTCCGTGCG	CAACGGCCGA	TGTCTCATTT	TGCTGCTCTC	TGAGGGATGG	420
AAACGCCGCT	GGGTTCAGCG	ATGGCAGTGA	GCGACGCGGT	GCTGAGCTGG	GGGGTAAGCA	480
GTGAGAAGCT	GAAAAATCGC	TGATAATAAA	AGCCTAAAAA	TACCCAGAAC	AACAACAACA	540
ACAACAAAAA	GACCCCAAAT	CGAGACCTTT	TAGGGGTCAG	AGAGCATTGG	CTGATAAGCG	600
GGGATGGGGG	AAGAAAGGCA	ATATTTGGTG	ATTCTGTGCC	AACCGATGCC	TCGGCAGCTG	660
GAATACTGGG	AGGGGATGGG	TTTGACTTTT	AATTACGGCT	GTCTATTGAG	TAAGGCATTT	720
AATTTATTTG	CAGTCCCTTC	TCTTCCATGC	TGGGTGCTGA	GACGGCCGCT	GCGCTTCTGT	780
GTGCTAAAAA	AAGGTGTGAA	AGGGCCCCGT	GAGGGCTCTG	CCTCATCCTG	ACCAGAGCAG	840
GCAAAGAAAA	AAGTGCAAAG	AGCACAAAGA	GAAAAGACGT	TAACCAACAG	AACTGCGTCC	900
AGACAGCGAG	AAGCCCTTCT	CCTTTATGTA	TCTTCATTAC	CAGAATTGCT	TTTTCCCCCT	960
TTTCTGGGAT	AGTTTCATTG	CTGCATCATC	TGCTTCATTT	CCAATTCCCC	TCCTTAAGTG	1020
CCCCATGGAA	ACATCTTCCG	GGGGACAGAT	TCATTGCTCC	CCAGACTTTC	GACACCTCTT	1080
CCTTTGCATA	TTGCTGGTTG	TGCCCATCCC	TTTGCAAACC	CATTCCTTGC	CAACGGAGGA	1140
GAGGATGGAG	ATGTGTGTGG	TTCTGTACGG	GGTCTGCAGG	AATAAGGGCT	GCAAAAGACA	1200
TCTCAGCAGC	TGCTTTGCAG	GCAGGCAGGA	TGCACTGATT	CTTAGGGAGG	GAGAGGTTAT	1260
CTGTGCGGGG	ATGCAGAGTT	TGGGCTGACC	TGGAAGATCA	GCCCTGTGCA	AAATGTGGGT	1320
GAGCAGCAGA	AAAAAAAAAA	AAAAACATTC	CAAAGGAGTG	ATTTCACAGC	AGGGAAAGGA	1380
GGGGAAGCTG	CTTCCTGGTG	CTGGCAGCAA	AACTGCTGTG	TCCTCCATGG	GAAGCTCTGCT	1440
GGTGGGCATC	TCCCCTCACC	CCTTCCTCAT	CTGCCCTGCA	GCATCCACGT	GGAAATCCCC	1500
CCTGAAAAAG	CCCATTTTGT	GACCATGCAT	CACATTTATT	TTGCGATTCA	GCATCAGACG	1560
GACACAGGCA	ATGGGTGGGG	GGATGGGGGG	GGGGTCTGAG	GGTATATCTT	TTTGCTGAGC	1620
CAGGTTTTGA	GTCATGGGGG	ATAATTTTCAT	TCCAAGGGGA	GGGGGGCATT	TAAGTGCAGG	1680
TGGTAACAAT	GAAAGGCAGT	GGGAGTTGTT	GTGATTGCAT	GGGGGAAAGC	ACTGGTTTTT	1740
TCCATAAATT	GGGACTGATG	TGGCTGTTGT	TGCTTATTTT	TATGGGGGAG	GGTTGTGGGG	1800
TTTTTTTTCCC	CTATATTACA	TTGCATTTAA	TTTCAGTCCT	CTCTCATTGT	CTATCCCTGG	1860
CAATGCTAGG	ACTTCTCCTT	GCTGTTTTCT	GTTGGGCGAT	CATTGCCACA	GAGGGAGGAA	1920
TTGCTTTTCA	TTTGGGTCAC	TGCAATGAGT	TTTAGCACCC	AGAAATATAT	CCTTATGGGT	1980
CTCTGCTTTT	GGGGCACTGC	TGATGGGTGG	AAGTTTTTGGT	TTGCAGGTGA	AGTGAAGGCC	2040
CCAAAATGGA	GGAAGTGAGG	GAATATCCCC	ATGTTTTTGGG	CACAGAATGG	AGCAGGAGGG	2100
AAGGTAACAG	CCGAGCCATG	CCCTTAACAC	ATCTGTTTAT	TGTTATTATT	ATTGTTATTA	2160
TTTTATTGAT	TACTTCTTTA	ACTTGAGAAC	AAAGGGGAGG	GATGTGGGTG	GGAAGAAAAT	2220
GAGTCTCATT	TCTTTTAGCA	CTTCCCTCAA	GGGGAAAATT	TGTGTTGGTT	GTTGAGCAGC	2280
AGGTGGACTT	CTTGCTGTGA	GCAGCCACAT	TTTGGAAGAG	TTCTGTTGTT	ATTAGCATTA	2340
TTTATGCGAT	TCTGTGATGT	TTTTATTATA	ATTAATTGTA	ATGAATCCTC	CCTGAGGCAC	2400
TGGATGGGGG	AAAAAAAAAC	AACATTTTGG	GGTCTACTGC	TCACACCTGG	GGTGCACGTG	2460
TGCCCATTGG	AGGTCCCTTC	TCCCATAGGT	CCCAGCCGTG	GGGCATGCGT	TACCTTCCAG	2520
CTCACGATGG	CAGCGGTGTT	CACAGTGCTG	CTCATCACTG	CTGTTGCCTT	TGCAGGTGAG	2580
TGCTGAGGGT	TCCAAGAGC	AGAGAAAACC	CTTTGGG			2617

Figure 20

A52FOR.txt

TTCTCCCACA	GAATCCACCA	AACCCACACA	TTTTTCAGGTC	CCGTCCAGCT	CCCTGCTCTA	60
TGCTTACCTC	TTCTGCCTTC	TTCCGGAGCA	CAGCCAGCTG	AGACTGCAGA	TTTTCACACT	120
TCATTTTTGC	TTGTGTCCAG	TTCCCCTTTT	CTGTGGAAAG	CTCATAGCAT	CGGTCCCCTA	180
AAAGCCTCCA	GAAGTGGGGA	CAGAGCAGGC	AGGCAGCAGG	GGCTGGAGAG	AAAGAGCCGT	240
GAGCATCTTC	AGGTGGGAGA	AATCCCACCC	AGGAGGATTT	CCTTGGGAAG	GGCATTACCT	300
GCAGAGCTGT	TCCATGTGGA	TTGGCAGAAG	TACTGCTCAA	TGGAGGTATT	CTCGCAGAGC	360
TCTGTCCCAT	TCCTCCCGTT	GGTCTCAGGG	CAGTGCCGGG	CAGCGCTTGG	AGGTGGTGTT	420
GTTTTCTGAA	AGACTTTTGG	GCACAACCTG	GGGTGAGACG	CGGCCCTATG	GGGCCAACCC	480
CGTGGAAC	ACGCAGGGTT	GGGGTTGGAT	CCTCGAGCTC	TTTTGCAAAG	CCTTTCTGGC	540
TATGGTTGCA	CTCAGTTAAT	TAAACTGTCT	AAAACCATAT	TTTGTATATA	ATTAGACATG	600
ATGTTTACTG	CTTCTGTCCC	CCCCTTGGTT	TAAGAGCAGA	GAGGCTCTTG	CAGAAGGGAA	660
TTCCTCTCAC	TGAGTGCCAC	TTTGGAATTG	TTGTGTGATC	ACCCAAACTC	CAGTGCAAAG	720
CCCCAGCCCC	ACTTTGGGCA	GAATGAATGT	GTTTTCTGCT	CAGAAGAGCT	TCGATTTTCCT	780
GTGCA						785

Figure 21

H82FOR.txt

CTGCGCTGGG	GATCTTGTTT	TCCCCTGGCA	ATGGGAACAG	CTGTTGGGTG	CCTTTTTTGG	60
GAAAGATCTC	TTTATCGGTG	CATGAAGAAT	GAAGCGACTA	ATGGGGAATG	GAAGGAGTGG	120
TGGCTGTTTG	AGTAATTGAC	TGATAGGTTG	ATGGAGGGAT	ACTTGAATTA	AGAGCTTTTG	180
GCTCTTATCT	CATTGCCTCT	GTGCACCAGG	TTTGGAGTGG	GCCAGGCCCT	GGCACGGTCA	240
ACTTGCTCAC	TGTTGGCAAT	AGGAACATTT	TTTGAGCCTC	AGAGAGATTT	TGTTGGAGGA	300
ATGGATGGAT	CATTCATGTC	CTGGTTTGTC	TGGGGGGGAC	CAATGTGATG	GATTAATTTT	360
TTTCAGTATA	AAAATAGTTT	GTCAGGTGAA	CTTCTGGTGA	CTGAGTGGAT	GGTTGGATGG	420
AGGGATGTGA	GTTTCTGTGG	AGGGATGGAT	GGTTGGAAGG	TTTGTTGGAT	GCACGTGTTA	480
GTGCTGGTGG	GATCTACATT	TGGGGCAATG	GATGGATGGA	CTCTGAGAAT	ATAGACTATA	540
GCTGAGTTGG	CAATGACCAA	GAAGGACCAT	TGCGTTTTGT	TTCTGGCTTC	ATGTAGGATC	600
ACCCAGGAAT	TAAACCCTAT	GTCATGGTTT	TGTAACCTCG	CTATTGGTAT	TCCACATCAT	660
AACATCATGG	ACAAAAGAGA	AGAATAGCAA	AGTTACAAAA	CCATGACACC	CTACTTCTGA	720
AAGCAGTTTT	GAAATGCTTG	GGGAGCTGAA	TGGTTGATGG	TGTGGTGGAG	TCGTGGGGGG	780
GAGGTGTCCC	TGTGGGGCAG	TCCCTGGGAA	GCTATAGCTA	TAAGTCACCC	CAATGCCCCC	840
TCTGTGTGGG	AGTAGTGTGG	GTGGGGGTCA	CTGGGATACC	ACAGTGGGGT	GGAGCCCAGG	900
GGAGTGTCTT	TGAGGTCAGT	GGGGGGTGAG	CAGGGCTCTC	TAGAGGCCTT	TGGGGGGTCC	960
AAAAGGAGTT	GATGAGAGAG	AGAGTGTGGG	AGATCCATGG	GGGGGCTGCA	GGCCTCAGTG	1020
CCCTCCATCT	CTTGCCAGGT	GCCCCAGGAA	CACATATGGT	GGGGACACTG	TGGCCCCGCA	1080
GTGCTCACCT	GCATTGGGCA	CCTCCCCATG	TCCCCCCTGA	AGGCTACAAC	CTCATCTATG	1140
GACCCCCCGG	TGGCCCCGTG	AAGGTAATAC	CCCATAGCAC	TCCCTGAACT	TCCCAGGGGA	1200
TCTCCCTGGG	TATCTCCTGG	GGTACCCCAA	CCCTCCTTGG	GGACCCTGCT	CCCACCCTGG	1260
GGAATCCAAA	AGTCCTCCAC	CACCCAAGCA	CCCTAAGAAC	CCCCTGCAC	CCCCTATCC	1320
CTTGAGGTCC	CCAATACTCC	TTTTACAGCA	TTCCCATCCT	CCTCCTTGGC	CCCTTTATGC	1380
TCTCCAGAGA	CATTAAACAC	CCCTGTAATG	CCCCTTAGGG	ACCCCTGCAG	CAGCCCAATA	1440
ATCCTCCCAT	GTCTACCTCC	AGACACTGCA	GCTGCCCCCT	GAAGCAACAT	CCAAGGAGCT	1500
GTGGGGCCTG	GAGCCCAGTG	GACGCTATAG	GGTGCAGCTC	TGGGGCCGGG	GGCTGGAGCC	1560
CCTTGAGACC	ACCTTTGACA	CCCGTGAGCT	GGGAAAGGGG	GTCTGTGGG	GTGGGAAGGG	1620
GCACTTGGGT	GGAGGACTCT	GGGATACCCA	AATACCTGGA	TGATTTGGGG	TGCTGGGGAC	1680
ATATGGATGC	TGGGTCCTGA	AGTATGGAGG	GGGGTACCAA	GGAATCTGCA	TCCTTGGGTG	1740
GGGAGCTCTG	GGGGTTCCCA	AGTACCTGAA	TAATGGGTAC	CTAGTTAGGG	GAATGCCTTG	1800
GGGTGGGGGG	GGGGCGGACA	CAGCGGGATG	CCCTCGTCCC	TTGGTAGGTG	AACAGGGACA	1860
CCCAACTGGT	TGGGGCCACC	TACACTGCTC	TGTCCTTCAG	CACCCCTCCC	CCACCCACAT	1920
CCCCGGGACT	GCGCTGAGGA	GCAGCTCAAT	GGACCGGGGC	CTTCACGAGA	GGTCCTCATC	1980
TTCCTCGGGG	GCGACCGGCA	GCGGCCACTG	CACGTCTTCT	GCGACATGGA	GAGCAATGGG	2040
GGCGGCTGGC	TGGTGGGGAA	ACGGGGCGGT	GGGGAGGGTG	TCTGGTGGGC	TCTAGGGGGT	2100
GCTATGAGGA	GTCTGGTGGG	CAATGGGGGT	CACAGGGTGG	GGTGGCTGAC	TCCATGGTTG	2160
CCATTATAAG	GGTTGGATTG	GCAATAAGAG	ACCTGTGGAG	CAACTGGGGG	CATTTGGGGT	2220
ATCTGGGGAG	GTTCTGTGGG	GGTTGAGAAG	CAATGGGGGG	GGGGAGTGGG	GGAGGCTGGA	2280
AGATTTAGGG	GAGGTTAATG	GGAAGGTCTT	GTGGGGCAAT	TGGGGTAATT	CTGGGAACTG	2340
CAGGGGGATC	CCAGTGTTCC	TGTGAGATTG	ACATAACCCC	TATACTATCC	ATGGGGATCA	2400
CAGTAACCCCT	CTGGAACAT	AAATGGGGGA	GAACCCAGGG	AGCAATGGGG	GGCTGTGGTG	2460
GATCTGGGAG	GGGCAATAGG	GTGCCCTGGG	GGGCAATATG	AGGGTCTTAG	GGTGCAATGT	2520
TGGGGGTCTA	GGGGGAAGTA	ATGGGGGGTC	TGGGGGCAGT	GGTGGGGTCT	AGAGGGG	2577

Figure 22

Conti224.txt

GGAGGGAGCA	CTCACCCAGG	TCTGAAGCTA	GTTTATCTGC	AATGAAACAA	ATAAGAAATG	60
CATGATGAGA	AGGGTCAGAA	TATCATCCCA	TGGCTGATCC	CATGGGAAGA	CCCCGAATCT	120
CTTTGGTTTG	CGGAGGAGGA	CTCACCCAAC	TGTGCATTCC	TTCTCTCTGC	AAAGGGAAAG	180
CAGAAACAGT	GTGTGGTGAG	AGGAGCAGCT	CATCCCACAC	ATCGCACAGG	AAAACCCCCT	240
TTTTTATTTA	ATTTGGAGGG	AGGACTCACC	CAGTTCTGAA	GCTAGTTTCT	TTGCTAAAGA	300
AACAGATAAG	AAATGCATGA	TGAGAAGGAT	CAAATTATCA	TCCCATAGGA	ATACCCCAGA	360
TCTCTTTGGT	TAGCGGAGGA	AGACTCACCG	AACTCTGTGT	TTCTTCTCTC	TACAAAAGAA	420
AGGCAGAAAC	AATGCATGAA	GACAGGAGCA	TCTCGTCCCA	CAGCTCCCAA	AGGAAAACCC	480
CTTTTTTGTT	TAATTTTAAA	GGCAGCACTC	ACCCAGATTT	TCAACTAGTG	TCTCTGCAAA	540
AGAATCAAAT	AAGAAATGCG	TGATGAGAAG	GGTCAGAATA	TCATCCCATG	GCTGATCCCA	600
TGGGAAGACC	TTGAATCTCT	TTGGTTTGCG	GAGGACTCAC	CCAACTTTGC	ATCCCTTCTC	660
TCTGCAAAGG	AAAAGCAGAA	GCAGTGCGTG	ATGAACTGAA	CAGCTCATCC	CACAGCTCAC	720
ACAGGCATCC	CTCATTTTGT	ATTTTGTTTG	GGAGGGAGGA	CTTACCCAGT	TCTGCAGCTA	780
GTGTCCCTGA	TAAAGAATCA	AATAAGAAAC	GCATGACGAG	AAGGCTCAGG	TTATCATCCC	840
ATGGCTGATC	CCATGGGAAG	TCCCCAAATC	TCTTTGGTTT	GAGGAGGGAG	ACTCACCCAA	900
CTTTGCATCC	ATTCCCTCTG	CAAAGGAAAA	GCAGAAACAA	TGCATTATGA	GATGAATGAC	960
TAATTGCACA	GCTCCCCAAA	CATTAAAAAA	AAAAAAATAG	TGGGAAGGGA	AACTCATCCA	1020
CTATCGCAGG	TAGTTCTGCT	GGAAAAGAAA	GAGCAGAGCA	GTGCATGGTC	AGAGAGGACA	1080
GCTGCTCATC	CCACAGCTGA	TGCCATGGGG	AGACCCTGAA	TTCCCTCACT	TTGGGGAAGG	1140
AGACTTACCC	AACTCTGCAT	CTTTTCCTC	TGCAAAATAG	AAGCAAAGGA	AATGCATGGT	1200
CAGAGGGAAC	ACCTTCTCAT	CCCATGGTTG	CTCCCATGCC	AATACCCCCA	AATCTTTGTT	1260
CTGGTAAG						1268

Figure 23

Conti508.txt

CAGTGACAGT	GCAGGTGGAG	GGACACGGCG	AAGGGACGCT	GACGGTGGGT	GGCTGCATGG	60
ACATTGGTGT	CATCTCCAAG	ACCGATGTCC	CCTCACAACC	TCCCCTCATG	GTGTCCCCTC	120
ATGCTGCCAC	GGTGTCCCCT	GCTGTCCCAT	CATGGTGTCA	CGCTGTCCCC	AGGTGCTCCG	180
CCAGTTCCGC	CTGCTGTCAC	CTCCGAACGC	CACGTGCCAG	GCGCTGCACC	TGGAGGTGGC	240
CATCACCGGC	CCCATCCTGT	ACCATGGTGA	GGCCCCACCC	AAAGGCCCCG	CCCCCTTTTC	300
CTCGCGGGGG	GCGTGCCCTC	AACCCTGTTT	TGCATATCCC	AACCCCCAGC	AGATGAGGAC	360
TACGAGGACT	ACGAGGACTA	CGAGGAGGCG	GAGCCTAAGG	AGGGGGAGGA	GCCTACGGAA	420
GGGGCAGTGC	CCGTGGAAGG	GGCGGGGCCA	GCAGATGACC	CCGCCCCCCT	CAGCCCCGTG	480
TCCTTATGGG	ATGCCCCGTA	GCGGCAACGC	CGCAGCACAC	ATAACCCTGC	CCACGAGGTG	540
GCCTTCCTGG	TCTGCTTCCG	GTGAGGGGCG	GAACTTCCTG	TCCCTGGGGG	CGGGTCTTCC	600
TGCTGATGGG	CGTGGCCTGT	TGTAGGCGGA	GCCCAGGGGT	GGCACTGACT	GGGATGGCGG	660
TGGTGGAGAT	CACTCTGCTC	AGTGGCTTCT	CACCCCATAG	AGCTGACCTG	GACAAGGTAG	720
GGGCCCAGGG	GGACTTGTGG	GACATGTTGG	GGGGTTGAGG	GGAGTTATGG	GGTGTGGGGT	780
TTGGGGGTGT	TGGAGTTGTT	GAGGTGGCAG	AATGTTTGGG	TTGGAGTCAT	GGGATATGGG	840
G						841

Figure 24

CCACTCTTGG	GTGAGCTGAC	AGCGTCCCAC	GTCAGCCCCG	ACTCCGTCCA	GCTGGAATGG	60
AGCGTCCCCG	AGGGCTCCTT	TGACTCCTTC	ACGGTGCACT	ACAAGGATGC	ACAAGGCCAG	120
CCACAGGTGG	TGCCCCGTGA	CGGTGGGTTG	CGCACAGTGA	CCGTGCCCGG	GCTGTCGCCG	180
TCCCCGCCGT	ACAAGTTCAA	CCTGTATGGG	GTGTGGGGGC	GGAAGCGTCT	GGGCCCCATG	240
TCCACTGATG	CTGTCACAGG	TGAGCATGCT	GTGTTCTGCC	TCCATGTTCT	TTTGCTTTCA	300
GTGTAGTTGT	CATGTGGCAG	GAACCTTTCA	GGGCCACTTT	TGGTTAATGT	TGCCTTAATA	360
GTCAAGGAAA	CAATTTGTTC	TTGTTGAGTG	GGAATGCCTA	ACGGGATGGG	AGTTTGGATG	420
ATGAGAGGAC	AAATCTTATA	AGGGATGATT	GATAATTATT	GCGGAACGGA	TGGAAGGAAG	480
GTTGGATGGA	TGGAATGGTG	TTTGGATAAA	TTTGTGCTCA	GAGCACAGCT	GGAGTGTGGG	540
ATGAATGTTG	CTTTGCTTGT	TGAATAGATG	GATGTTTGGT	TGTGTGGTTG	CTTCCACTGA	600
GAATTCCTCC	CTCTGTGCTG	CAGCAGCAGC	TCCAGCACAA	GAGGAGCCAC	CTTCCCCACC	660
ACGTCTGGGT	GAGCTGACAG	CGTCCCATGT	CGGCCCCGAC	TCCGTCCAGC	TGGAATGGAG	720
CGTCCCCGAG	GGCTCCTTTG	ACTCCTTCAC	GGTGCAGTAC	AAGGATGCAC	AAGGCCAGCC	780
ACAGGTGGTG	CCCGTGGACG	GTGGGTTGCG	CACAGTGACC	GTGCCC GGCG	TGTCGCCGTC	840
CCGCCGCTAC	AAGTTCAACC	TGTATGGGGT	GTGGGGGCGG	AAGCGTCTGG	GCCCCATGTC	900
CACTGATGCT	GTCACAGGTG	AGGGCAGGAA	TTGGCACCTG	GTGGGCTCTG	GGTTTGCAGC	960
AGGTAGAAAT	GTAAACGTGG	CCTGCGCTGG	GGATCTTGTT	TTCCCCTGGC	AATGGGAACA	1020
GCTGTTGGGT	GCCTTTTTTG	GGAAGGATCC	CTTAATCGCA	GCATGAAGTA	TGAATGGACC	1080
AATTGGGTGT	GGGTGGAGTG	ATGGCTGTTG	AGATGAGTTG	GTGGCTGCTT	GAGTAATTGT	1140
CTGTTGGAAT	GGATGGACAG	ATATGTGAAG	GAGTGAAAGG	ATGGATAAAG	TAATTTAGGA	1200
ATCGGTGGAT	GAAGAATGGG	TAGGTAGACC	CTTGGTGAAG	TGGTAGAATG	GAAGGATTTA	1260
TGAACAGATA	TGAGTTAATT	CTTGCATCGA	AGTAGGTGTA	AGTGTCTATT	AGCCTGTTGC	1320
ACTGAACATG	CAGTTGCATA	GACAAATGAG	TGGGGAGAAG	TACGGAGTAA	ATCCCTGCAT	1380
GAATGGTAGG	ACAGAAACCT	GAATGCCTGG	ATGCTGGCAG	TGTGAAGAAT	GGCACTTGGG	1440
ATAGATGGTT	CGAGTATGGG	GTAGATTAAA	AGATGGATGG	AAAAGAGGAA	CAGAGAGAGG	1500
GTGATTGGAT	GAATGGATGG	ATGGTTGGAT	GTGACTGATT	GACAGGTACC	AAGCTTTTTT	1560
CCTGCACTGT	GCCTTCTGTG	CTGCAGCTGC	AGAAGAGACG	GAGGAGGAAC	CACCGTCCCA	1620
GCCACGCCTA	GGAGAGCTGA	CGGCATCCCA	TGTCAGCCCC	AACTCCGTCC	AGCTGGAATG	1680
GAGCATCCCT	GAGGGCTCCT	TTGACTCCTT	CACGGTGCAG	TACATAGACG	TGCAAGGCCA	1740
GCCGCAGGAG	CTGCACTTGG	ATAGTGGGTC	GCGCACAGTG	ACCGTGTCTG	GTTTGCTGCC	1800
ATCC						1804

Figure 25

Conti534.txt

GCACAGAAGG	AACCGCCATC	CCAACCACGC	CTGGGTGAGC	TGACGGCCTC	CCACGTCAGC	60
CCCGACTCCG	TCCAGCTGGA	ATGGAGCGTC	CCCGAGGGCT	CCTTTGACTC	CTTCACGGTG	120
CAGTACAAGG	ATGCACAAGG	CCAGCCACAG	GTGGTGCCCG	TGGACGGTGG	GTTGCGCACA	180
GTGACCGTGC	CCGGGCTGTC	GCCGTCCCGC	CGCTACAAGT	TCAACCTGTA	TGGGGTGTGG	240
GGGCGGAAGC	GTCTGGGCCC	CATGTCCACT	GATGCTGTCA	CAGGTGAGCA	TGCTGTGTTC	300
TGCCTCCATG	TTCTTTTGCT	TTCAGTGTAG	TTGTCATGTG	GCAGGAACCT	TTCAGGGCCA	360
CTTTTGGTTA	ATGTTGCCTT	AATAGTCAAG	GAAACAATTT	GTTCTTGTTG	AGTGGGAATG	420
CCTAACGGGA	TGGGAGTTTG	GATGATGAGA	GGACAAATCT	TATAAGGGAT	GATTGATAAT	480
TATTGCGGAA	CGGATGGAAG	GAAGGTTGGA	TGGATGGAAT	GGTGTGTTGGA	TAAATTTGTG	540
CTCAGAGCAC	AGCTGGAGTG	TTGGATGAAT	GTTGCTTTGC	TTGTTGAATA	GATGGATGTT	600
TGGTTGTATG	GTTGCTTCCA	CTGAGAATTC	CTCCCTCTGT	GCTGCAGCAG	CAGCTCCAGC	660
ACAAGAGGAG	CCACCTTCCC	CACCACGTCT	GGGTGAGCTG	ACAGCGTCCC	ATGTCGGCCC	720
CGACTCCGTC	CAGCTGGAAT	GGAGCGTCCC	CGAGGGCTCC	TTTGACTCCT	TCACGGTGCA	780
GTACAAGGAT	GCACAAGGCC	AGCCACAGGT	GGTGCCCGTG	GACGGTGGGT	TGCGCACAGT	840
GACCGTGCCC	GGGCTGTTCG	CGTCCCGCCG	CTACAAGTTC	AACCTGTATG	GGGTGTGGGG	900
GCGGAAGCGT	CTGGGCCCCA	TGTCCACTGA	TGCTGTCACA	GGTGAGGGCA	GGAATTGGCA	960
CCTGTTGGGC	TCTGGGTTTG	CAGCAGGTAG	AAATGTAAAC	GTGGCCTGCG	CTGGGGATCT	1020
TGTTTTCCCC	TGGCAATGGG	AACAGCTGTT	GGGTGCCTTT	TTTGGGAAGG	ATCCCTTAAT	1080
CGCAGCATGA	AGTATGAATG	GACCAATTGG	GTGTGGGTGG	AGTGATGGCT	GTTGAGATGA	1140
GTTGGT						1146

Figure 26

Conti547.txt

CTGTGTCCCC	AACCTGCTTG	GTGTTCCCGC	AGGACACGCT	GGTGGCCCTG	GAGGCGCTGG	60
CCCAGATGTG	GCTGCACTGG	GGCCGTGGGA	ACACAATGGG	GCTGAACCTG	GGGCTCTCCT	120
GGCCGGGGGG	TGCCCCGGGG	AGGGCTGGTG	GCACTCAGGT	TATGCTGAAG	CCGGGGCTGG	180
AGCCGCTGGA	GCAGGAGCTG	CAGGTGGGGA	CATGGCGGGA	TGTGGGGACA	CGAGGGATGT	240
GAGGACACTG	GGGACATGTC	TGGACTTGGT	AGGATGTAAC	ATGAAGACAC	TGGGGACATG	300
GTAGGACATG	GGGGACATGA	GAACACGGGA	TGTGGGGGAC	ATGGTAGGAC	ATGATGGACA	360
CAGGGCTTTG	GGGTCCTTGG	GTCCTCGCTC	TGTCCCCATG	TCCCCAGGTG	CCTCTGGGCA	420
GCCCAGTGAC	AGTGCAGGTG	GAGGGACACG	GCGAAGGGAC	GCTGACGGTG	GGTGGCTGCA	480
TGGACATTGG	TGTCATCTCC	AAGACCGATG	TCCCCTCACA	ACCTCCCCTC	ATGGTGTCCC	540
CTCATGCTGC	CACGGTGTCC	CCTGCTGTCC	CATCATGGTG	TCACGCTGTC	CCCAGGTGCT	600
CCGCCAGTTC	CGCCTGCTGT	CACCTCCGAA	CGCCACGTGC	CAGGCGCTGC	ACCTGGAGGT	660
GGCCATCACC	GGCCCCATCC	TGTACCATGG	TGAGGCCCCG	CCCCCTTTTC	CTCGCGGGGG	720
GCGTGCCCTC	AACCCTGTTT	TGCATATCCC	AACCCCCAGC	AGATGAGGAC	TACGAGGACT	780
ACGAGGACTA	CGAGGAGGCG	GAGCCTAAGG	AGGGGGAGGA	GCCTACGGAA	GGGGCAGTGC	840
CCGTGGAAGG	GGCGGGGCCA	GCAGATGACC	CCGCCCCCCT	CAGCCCCGTG	TCCTTATGGG	900
ATGCCCCTAA	GCGGCAACGC	CGCAGCACAC	ATAACCCTGC	CCACGAGGTG	GCCTTCCTGG	960
TCTGCTTCCG	GTGAGGGGCG	GAACCTCCTG	TCCCTGGGGG	CGGGTCTTCC	TGCTGATGGG	1020
CGTGGCTTAT	TGCTGAGGGG	CG				1042

Figure 27

Conti548.txt

CCTCTGCTGC	TTCCAGAGCA	AAGGAAAAGG	GAGAGGGGGG	CTCCCACCAC	CCTATCCCAG	60
AGCATCAGAT	GGGCAATGGA	TGCAGCAGCT	CCGTGGGTCG	TGGAGGTGGC	ACGTGGCAGG	120
AGCGAGGACG	GCTCGGAGAT	ACCGAGGTCA	TCAGCCACCG	AAACCATCTC	AGGAAAGGGA	180
ATTTCCACAC	AAAACCTCCAT	TTGGAGCACC	TGGCAGAGAA	GCTGAAGCTT	TTGGAGCTGG	240
ATGGAGACAG	AGGGGAGAAG	GAGAAACTCT	GCTCGTGGCG	CAAGAGGACA	TTCCCCTCCA	300
ATGGACCACG	GGATGATGGA	GGTCCCCTG	GAGCCCCCAT	AAAGGAGTCA	GTGCAGGAGG	360
ATGTGGTCAG	CCCTGTGTTA	TTCCCTAAAG	CCCTGTTTAA	TCCTTCATGT	CCATGCTGAA	420
AACTTCTTCT	CTGCGAAGTC	CAACACATTG	CATCTCTTCC	CTTCTTTCTC	CCATCACAAT	480
ATCCTCCCCA	AACCCCTTTT	TCTTCCTCCA	GGAGCAGATT	CACAGCGATC	TGGAGAACCT	540
CAAGAAACAA	AAGGAGGAGC	TCTTAGAACT	CAAAAGGAGT	GGGGAGAGGC	GATGCCAAGA	600
CCTTCTGGTA	AGAAGCTGTT	GCCTTCAAGC	TGGA AAAACA	GAGGTCTTTT	TGGGGTCCAC	660
GTTGTTGATT	TTCCACAACC	TACAGACACG	GACGGAGGCT	GAGAGGCAGA	AAATTGTGTC	720
AGAATTCCGT	CAGCTCCGCC	GTTTTCTGAA	GGAGAAGGAG	ATGGTGCTCG	TGGCACGGCT	780
GGGGGAGCTG	GACAGGGCTG	TGCTGAGGAG	GCAGGAGGAG	GAGGAG		826

Figure 28

Contig51.txt

AGCCCAGCAC	TCTGCAGTCT	TCTATCAGTT	CCAATAGAGG	AATTTTGGTG	GTAGAAGGGG	60
CTGGAAGGAC	TCACTCTGCT	TTGTGGTCTC	AGCTGCTGGA	AAACAAAGCA	GAGAAATAGC	120
TGGTCAGCAG	GGCAGCTTGG	TTTCTGGGGA	CGTCTCCAGA	GGGTCTGGAC	CTTTCCACCT	180
GCCCCACGGT	CCACCCACAT	TCCTATCTTT	CCGCCCACAC	CCCTTTTTTCC	CTTTCCTTCA	240
TTCCCAATCA	AACGGCAAAT	GTTATTTAAT	GACCACTGTC	AATCCCCAGA	AAAATCTCCC	300
TTTCTCCTGC	ATACCTCCAC	GGACCTGAGC	TCAGCACCAC	CCCGACCATC	CCTATCCCTG	360
CTCAACACCT	CCCTGTGATC	CATCCCCTCC	ATGCTCAACT	CACCTTTCTT	CCTATAGAGA	420
AAAACAGTGA	TGACAAATGA	CCCAACCAGA	ATTGTGACGA	TCACAGCCAG	AGCCACCTTC	480
CAGGGATGGG	TGATCTGGGA	AAAGGGGTCT	GGAAAAACA	TCAGGACAAG	GGTTCCTTTT	540
CCATTCCCAT	AAGTGGAAAA	GCAAGACTCA	GCCTTGGGAC	ATCACAGAAC	CCAAAGGGGC	600
AGCAACCAGG	GAGCAGTGAT	GCACAATGAC	GGCATCCCCA	TATTGGCACA	GGTGGAGGAG	660
CTGCTCAGCA	TCGTGTGCCC	ACTGCCACTG	AGCCATGGAG	AAACCCATCC	CAGAAATCCA	720
ACCCAACCAC	CTCATCCATG	CAGACTTATC	CACAAATTGC	ACTGTGCACC	TGCTCCAACA	780
CCAGCATCTC	ATGGAACAAT	TTAGCTCCGA	CCTCTTCCAA	AGGCTGCTGT	CCTTCAGCTT	840
TCCATCCATG	GATGTGAGGA	TGAGGATGGA	CAGAGGTCGG	GGTGGGACAC	ACAAACCCAG	900
CAACACCTGG	AGGCGTCACC	CCAGCCACTG	ACCTGACACC	TCCAGGTCCA	CCACAGCGTC	960
TGCA						964

Figure 29

Contig99.txt

CCCAGCAAGG	CCAAGCGCCG	CCATAACGTC	AGTGCCGGTG	AGACTGTCTG	ATGCGGTTGC	60
GCGAGGAGAG	TCACTGAACA	TCGGTGATTT	AGGCGCAAAG	TATTTAGCGA	TTGATTCGAG	120
GTTCATTATG	CGGCTTCCTT	CTGTGGCTGG	TGGGTTTTTG	TCTGGCTGTG	CTTTACTATT	180
GGCGGCATGC	TGGCGCGCTT	AACGCTTTTC	GCCTGGTATC	GGGTTATCTC	GTCTCTGGTC	240
ATGATGGCCT	CCGATTCCAG	GCGCGAATTG	CATCGCGCTT	TGTTGGATAG	GTGTCAGTTA	300
TCGGCTTAAT	CAAGCATTGC	TTTGTTGAAC	AACCGGCGTA	GACACCATCA	CCATCAGAAA	360
AAAGTTCTGC	GCCGCCGCCA	CAGAACGGAC	ACTCAAGCAG	AAAAGCCCCA	TGAGGTAGCT	420
TGAGATCGAA	TATCATTGGT	TTCATGCTGC	CTCCCGCTGT	TTCAGTGCTT	TGAGCTTGTC	480
GCGGTACTCA	TCCCGGATCC	GGATGAAGTC	TTCACGGCGG	TAGTTGGTCA	TTTCGTGGGG	540
ACCATTGAGC	CAGTTGACGT	ATCCCTGACC	GTAACGAGCG	ACCAACCCAG	CTTCGTATTG	600
CTGCGCCACG	GTCGCCTCTT	TGGCGGTGTA	CTTGCCAGCT	CCGGCATTAC	AGGATTTGCA	660
CTGCTTATGG	GCGTTGCGTT	CTTCAAAGCG	CAGTTCAGGG	TAAGCACCTA	CTGTCTTGAA	720
ATGGCCGCAA	TCCCACTGGC	CACCATGCAG	ATCAGGCGGA	TTGGTCTCGC	CGCAGCTGAT	780
GCATGGCAAA	TCGGCGTCGC	GCGCACGGAT	AAAGGCGTTG	AAAGCTTTCT	GAGCCTGAGC	840
CTTGTAAGTAT	CCGTCTGGCC	TGAGCTCTGC	CAGCCGCTCC	TTGCGGCGTT	TGCGCCCGTC	900
CTTTTCAGCC	TCTTTTTGCT	CCTTGATGCG	CTTAGCCGCG	GCTTTCACCT	TCTCCTTCTT	960
GCGTTCTTCC	ATTGCGAGGA	TTGCGCCATG	CTCCGGGG			998

Figure 30

ContigB5.txt

CCCTATGGGG	CCAACCCCGT	GGAAACCACG	CAGGGTTGGG	GTTGGATCCT	CGAGCTCTTT	60
TGCAAAGCCT	TTCTGGCTAT	GGTTGCACTC	AGTTAATTAA	ACTGTCTAAA	ACCATATTTT	120
GTATATAATT	AGACATGATG	TTTACTGCTT	CTGTCCCCCC	CTTGGTTTAA	GAGCAGAGAG	180
GCTCTTGCG	AAGGGAATTC	CTCTCACTGA	GTGCCACTTT	GGAATTGTTG	TGTGATCACC	240
CAAACCTCCAG	TGCAAAGCCC	CAGCCCCACT	TTGGGCAGAA	TGAATGTGTT	TTCTGCTCAG	300
AAGAGCTTCG	ATTTCTGTG	CAGCAATGTG	GTTGGGATCT	GATCACTCAC	CGCACACGCT	360
GAGCCCTGTC	ACCAGCAGCA	GCAGCAGCAG	CAGCAGCACC	CCCAGCATGC	AGGCTTTCTG	420
GAAGTCCAC	GGAAGTGGAA	GAGCCCACAC	TTATATAAAA	CAGACATTTT	GAAAAAACTT	480
TTCCTTTTAC	AGAAATGATC	TCCCTGTGAA	AGAGCCCCTC	CACCAACCTG	CTACGTTAGA	540
GCAGAAGTTG	ATGGCTGCTT	TGGTTCCTTG	AGAATTTGGG	GTCCCCGGAC	CCTTCCCATT	600
GGTTCCCATG	CTGTGTATGA	GCAGAAGTTG	ATGCCTGTTT	GTTTTCTCTC	AGTTCCGGGG	660
TCCCCTGGAC	CCTTCCCAGT	GGCTCCCAGT	GGTCCCAGC	TGGGAAGGAG	GTGGCACAGA	720
GGGGTGACAG	CAGCAGGGAG	CATGGGATGG	GCTCCCCTG	GAGGTCAGAT	GGACACAGGG	780
ACATCACCTC	CACGCGTGGT	TCTGGAGGTG	GTGGAGGCCC	TGCAGGCTCC	ATAGAGCATG	840
GGGTGGAAGC	TGAGCAGCCC	CCAGGCTTTG	TGAGCCGAGC	CCAGTGTGGG	GCAGCCGGTG	900
GCTGGGAGGG	CGGGGATGTC	TGCAGCCCTC	ATGCCACGTG	GATGCAGGGT	GCGTTTGCCA	960
CCATTTTCATT	CCATTCTCTC	ACATTGGGCT	TCCCATCTG	GGCTGATTTT	TGCTCAAAAC	1020
CACCACACCT	CTGGCCATTC	CCAGGCTTCC	TTCTCCCCCA	CCCCTTCCTT	TACTCCCCCA	1080
TACAAGCCAG	GGTGGACCCA	GAACCCAACC	AGCATTGCTG	GTGTTTCTCA		1130

Figure 31

COSMIDE.txt

CCGGCATCAC	CGGCGCCACA	GGTGCGGTTG	CTGGCGCCTA	TATCGCCGAC	ATCACCGATG	60
GGGAAGATCG	GGCTCGCCAC	TTCGGGCTCA	TGAGCGCTTG	TTTCGGCGTG	GGTATGGTGG	120
CAGGCCCCGT	GGCCGGGGGA	CTGTTGGGCG	CCATCTCCTT	GCATGCACCA	TTCTTGCGG	180
CGGCGGTGCT	CAACGGCCTC	AACCTACTAC	TGGGCTGCTT	CCTAATGCAG	GAGTCGCATA	240
AGGGCATCGG	TCGACGGGAT	CACGTTGTGT	CCCTGAAGCT	CTCCTGTACC	CAAACACAAA	300
GGTGATGTCC	CCAGCATCCC	TATCCCAGCA	CTCTGGGGGA	CTCCTATTGA	ATTCTCCTT	360
GGGCTTGCTG	CCTTCTCTTC	CCGTTCCCAG	AGATCCCAAA	AGGTTAAGCA	CCTTGGGTC	420
AGTGTTTACA	ATTGTCACCT	CCAGTTTTGG	GGTATCAGTG	GCAAATTGAG	ACCCTTTTAC	480
CCAATCTTGC	ACCACTCTGG	TTCCCCAGTC	TTATGGTTTT	AGATGGAGTA	AAAAGGTTTA	540
TATGTCATAA	AGTTCTTCTG	TGTCTGGTTA	TTCTGCTGCTT	CTGGATGCCA	GGATCATGGG	600
GATAAGGGGA	AAACAATGGG	TTCTCTTATG	CGTAGAGATG	CAATCAGATG	GGGAGAAAAA	660
GAAATCTTAA	TCTTTCTGAT	CCATCTGACA	GATATTCAGT	ACAGCCCTGA	GGATGTGGGA	720
AATAAATCTG	AAGAGTTTGT	TGGCAGTTCC	AAGGATTGGA	AATGACTAAA	TCCCATTCCT	780
GGTGTCTGCA	CAAAGTTGGC	TGTGTTGGAA	CCCAGAAAGA	TCCATGCAAG	TGGGTCATCC	840
CTGAAAGCAT	TGTGTTCTGC	TGTCTGCTAG	CGGAGAGAAA	GACACAGAGG	GGAAAATTAA	900
GTGTTTTATT	GTTAATTATT	GTACACTCTG	AGGTTTCAAA	TACCAAATCT	TTAACGAGAG	960
CGGACCACTT	GATTTGAGGG	TGACCATCTC	AGATGGGGAC	AACTGTACCT	GATCAGGCAA	1020
ACCTGGGGGA	AATTTGCCTT	TCTGCCACTC	TTTGGGGTGG	GATTTTCCCT	TTTGACCACC	1080
ATTTTCTACA	TTCTAATCAC	CCATTGCAGC	ACTTCTCCCC	CTTTTTTTTTG	CCCCATTTTT	1140
CTCCTGCTCA	GCACTTCTTA	ACAATATAAT	ATAAATCAAT	ATCATATCAA	TATGATTCTA	1200
TGCCAATAGA	TTAATGGGGA	TGAAAGACAC	ATAAAAACCC	AAGTCCTCAT	TTCATCTGCT	1260
TCCCATGGGA	TGGGTGGGGA	GGTGGCTGTC	CCCTGAGGCT	GTAGGATGTG	GGGTCACCCT	1320
TGTCTGTGTC	TCAGGGACAC	AGCCTCAGCT	TGGACCTGAC	CCCTACCACC	CACAGCCACG	1380
GACGGACCCT	CTCCCCAGAG	AAGGATGCAT	GGGAAAAAAC	AAAGATGAGC	CCCCCTTCAT	1440
CAGCATCAAA	AAATGCCACC	GTCCCTCCAG	CGTAGTCCAA	GTGGACGCTG	ACCCTCCTGG	1500
GCACCCAGCG	CAGAGCTAAC	AGGGTCACCT	TGTGGGTGGT	GAGTGCCCGG	ACCTGTCCCC	1560
CCCATTCTCT	CACCCCCCAA	ATCCCCCCTT	TGGGACAGAG	GCTGAGTTGA	CCCTTCCGAG	1620
GGATGGATTG	TCGGGGCCACA	CCGATGGCCC	AGTCCCCTTC	ATCCCCCACT	TCCACCTCCC	1680
AGCAGTGCCG	GCCGGCAGAG	AAGCTTTGGT	GGCCCCAAAC	AAAGGGCCAG	TAGGCGAATC	1740
TTTCGGGGTT	ATCAGGAAGG	TCCTGTTGTC	CTTCCCCACG	TTTCACACTC	TTTCGGTCTT	1800
CGGAGAGGAT	GAGGTCAGGG	TGAGCGGTGT	CGGGGTCCAG	GGTGATGCTG	GCTGTGGGGT	1860
GGAGAGGATG	AGGAGTGTA	GGTTTGGGTC	CTCGGTGCTG	AGGCCATGAG	GATGCGGAGA	1920
GCTTGATCT	CCAGCACTAA	AGGAGTTGGA	TGTGCTCTAG	ATGGCCCCAC	CTGAGTAGGG	1980
TTGTAGGGTG	GGACCGTCCC	TTCCAACCTC	AGCCATTCTG	TGGGGCCATG	GGTTGGCATC	2040
GGAAGGGTAA	AAAGTACCAA	AGAAGAAAGT	AAAAAGGTGA	GAGGTGGAAA	CCCCTCTCAT	2100
GTGCCCGTGC	TATATGACAA	TAAAAGTGTT	TTGAGCCCCC	AGAATGCCCA	GAAATAAAGG	2160
CGTTTCTGCA	GACCTTCTGT	TCCATTGGTC	AAAAGAAATG	GTGAGGGGAA	TAAAAATGGA	2220
AGGAAGGAGA	TCTATGGGAT	ATTACCTGCA	AAGTCTGCAG	TGCTTCATCT	CCTAGACCAA	2280
CCCGGACCAG	TTCAGCCAAC	CCCATGGTTT	AAAAAACAGA	GCTGAAATCT	GAAGGCAGGG	2340
ATAATGAATG	AGTTCAACCC	GCTCACCATA	TTTGTTTATG	GGAAATGGAT	ATTTATCAAG	2400
GCGAGGGATC	TGCCCTGGGG	CCATCATCCC	AAATTACAGC	CAGACTCGGC	CTGCAGGGTG	2460
AAGAAAACCT	GTTTGGCTGC	CCTGATTTTT	GTGTATTCCT	CCCTCGGCAT	CTATTTTTGT	2520
CCATTTGGGT	ACAGCCTATG	GGTCCAGGCG	CGCCTCCATC	TAACAGGTAA	TGCGGCTTTA	2580
GGTTCTCATG	CTCAGCAAAA	GGCACTTTTA	GGAAAGGTGA	AGCTGGAGGG	GTGCAGAGCC	2640
GGAGAGCAGC	CCGTCCTTCA	CCCCTGAGCA	CTTCTCAGGA	ATTACAGCAA	AACGTGTAAT	2700

Figure 32a

COSMIDE.txt

TAAGAGTGGC	AAACGGGGTA	TCGAGTCCTT	CGGGTCTCAA	TTATTTTCCT	GAGTGGGAAT	2760
AACCCGTTGC	TCTTCCATCT	CTCTGCATTA	TTCTGCTGCA	GAACGAGTGA	TGGGCTGCTG	2820
GTTTTACCA	AAATACCACC	ATTTCCACC	CGAAACCCTT	CTGAGTACCT	TGAAGCCTCT	2880
TCAGGGTTTC	CTTCAGAGCA	CCGTTCCCTC	ATGAGGAATG	GCACAGCCTC	TCCTCCGGCC	2940
CTGGAGAAGC	GCCCCGTGGC	AGCTGGAAGG	TCACTTTTCC	ACACCTGGAG	GGGAAATAAA	3000
TGCATTTTCA	GGTGGTTGTA	TCACAGAGCA	TGCCATCACT	TCAGGACAGC	AGAGGCCAGC	3060
ACACGGCGGC	CATCCCCAAA	ATACCCTTCA	GGGCTCGCAG	TTCCCCTGGA	GCAGAAGAGC	3120
ATTCAATTGAT	GAGCTTTCTC	CTCCATGGTC	ACTGCCTGAT	GCAAAGCTCA	CAGAACAGCT	3180
TTTCAGAGAG	GCCACATACC	TGGTGATGGG	GCTTTTCACA	TCCTGGGGAC	AGAAGAGAGG	3240
AGGGGGAGAG	GAAACTCAGG	TCAGTGCATG	ACCCATTTTG	TCTTTAAAGT	ATGGAAAATT	3300
GAGCTGTTTG	AGTGGGGGTG	GACCTCTTGG	GTCTTCCAAC	ATGTGCCCAA	TTTTGACTTT	3360
AAGTCATAGA	AAAAGTGAAT	TGTTTGAAGT	GGGATGGATC	TGTTGGGTCT	TTCAACACAT	3420
GGTCCATTTT	GTCTTTAAAT	CATAGAAATA	AAGAATTGTT	TGACCAGAGA	TGGACCTCTG	3480
GGGTCTTCCT	CCACGAGGAA	GGTGAACCAA	CTGAGGAGCA	TCCATGCACG	GCAATGAATC	3540
CTGCAGATCC	ACCCCACTGC	TGCTCTCCCA	ACCCAGCCGT	GGATTTCCCC	TCTTAAAACA	3600
GACCCCATGA	GGACCTTCTG	CAGTAAGGTG	AAAATACTGG	GAATACTGAG	ATGAGGATAA	3660
AACGGTGGGG	GGAAAGAGGA	GGCTGCAAAC	CTCCATCTCC	TCATTGTGGT	GGGGGTTTCA	3720
GGCTGATGGA	ACGGCATAAA	ATGGGAGGAA	AACACCCAAT	TAAGGCACCA	TGCAATTGGT	3780
CGGGGTGGGG	AGGACATCCC	TAAAGGACTT	TTCCCCTTGA	AAAAGCTTCC	CTGGAGGAAT	3840
TCCTCACC	ACTGCTGGCT	CTTCTCTCCC	TGTGCTTTCG	TATCCAGCGG	GGAAATCTCC	3900
TCCGAGTGCT	TGGCGGTGCT	TTTCTGCCTC	TTCTCAATCT	CATTTTTCAG	GTCTTCCAGC	3960
TGCCAGAGCA	AGAAGGGCTC	TGTGTTTTCC	TGCCTGGAAT	CTGAGCCCTC	CCTACTGGGG	4020
CTCAGCTTTC	CTTCTGATGC	AGAAAGTGGA	AAATAAAGAG	CAGTGGGACT	GGAAATACCA	4080
GGGGGGACTC	ATGAGTGGCA	TCCCCCACTG	GAGGAGCTCA	ATGGTGAGCT	GGAAATCCTG	4140
CTAAGTTTTA	TCGAATGTGG	GGGACAGGAG	GAAGAAATCA	AACTCAAAAA	GTCATGAACA	4200
GGTGGCTGTG	AATTCGGGGC	AGAAAGCTGA	GGGCCCTAAA	AGCACAGGAG	GCAAAAAGGA	4260
TGGAGAGAAA	CGACCCTACT	GATGACACAT	CGCTGCCCAG	CAGCTGACAC	CTACCAGATC	4320
CTCCAGGTTT	GGGCACTCCA	GGGCGCTCTT	CTTCCTCGGA	GACTTTCTCT	CTCCTCCTTT	4380
GGAAACCCCT	GATATCCCTC	TGAGTTTCTT	CCCCAGTGAA	CCCACAGAAC	CTGTTGTTTT	4440
CAGCCCTTTG	ATGGGGTTGG	GGTTTTCCCT	TCCTGTTTCT	TCCCAGTCTG	GGGTAGAGCT	4500
ATGGGATGGC	TGCGTTGAGC	CTGCAGGTCT	GCTCCTGGTG	GCACCCTTGG	CAGGGCGTGC	4560
TGGGAGCTCT	GGGTTTGTCC	TTTGTCTTTC	TCCCAGTTCC	TTGTCCCAGG	GAGATGCTGA	4620
ACAATGTCAC	TTTGCAGATT	TTGTGAGCTT	CCTTTTAGGA	TCGAGCCATC	GGGAGTGGGG	4680
TTAGGGGGTG	TATATGGGGA	AACCATAAGG	AAATAGGGAA	GGAGATGCAC	AGCCGGATCC	4740
TTGTGGGGAT	GTGGAGGAGC	ACAAGTGAGG	ATCTTTGGGA	TTTGAGTGCT	CTCTCAGCCC	4800
AGCACTAACA	CAGAGCACTC	ACAGCCCTGG	CTCTGAGCTC	TCGAGGAAAC	ATTTCCAACC	4860
ATTTCTGCCC	CACTGTCTCT	GTGTTGAGCC	CCATGGCCAA	ATACACATGC	CTAGAAAATA	4920
AAGCCATGCA	TTACATATGT	ATTTAATTTT	TGCGTGGCAA	CCACTGAGAC	CCAAGTGGAG	4980
GAGATAACTG	CCATTCACTT	GGGCAGGTTT	GCAGGGGTGA	ACTGCACTTC	CAGCAAACCC	5040
TCCCTGTTGG	GAAGAGCCAC	AGGGATGGAT	GGCACTCTGG	GAGCTGAAGA	ACTGGAAGCA	5100
AACTCCCTGC	AACCGCTCCC	CTGGGGCACA	GAGCCTTTCA	TCCCAAATA	AGGCGTCCAT	5160
CATTGAGCAA	ATGAGTCACA	CCGTTGGGCA	AACGACTTGC	ATTGCATCCC	GAAAAGCATT	5220
AATTGCAGAG	CCTGGAAAAC	TAGCTGGGCT	GGAAACATCT	GCATTGCAGA	TCTATGGAGC	5280
AGAATAGACC	CTGAACAGAT	CCTTCACCCA	AATTCCCCAG	CAGGTGGGAC	CAAATGGCAG	5340
CGATGCGTGG	GGCTGAGGAA	AGATACCAAC	ACATCAAAGA	GCAATATTGA	AATTTTCAGCT	5400

Figure 32b

COSMIDE.txt

GTAGGTTTGA	CCTTTGGAGG	TGGTGAGGTG	GGGCTTTGTC	ATGGGATACC	CACTCATATC	5460
GCATCTGCTA	TTCTGAGCCT	GATGTCGCCT	GCTCCCTCCC	ACCCTCTTTT	AGTTCCTCTT	5520
CTTGTTTCTA	CAATCACCAA	CCTGTGTGTA	TTTTGGTGCT	GCCTGTTTCT	CTTTTGGGCT	5580
TTCTCAGAAG	AAAATGGGTT	TTTGAGGGAA	TCCATTTCAGG	TGAGTCCTCA	CCCCAAGCAG	5640
CTCTTCTTCA	CTTTGTTGGC	CCAAAGCTGA	CCCAGAGCCA	TACACCCAAA	GCAAACCCAG	5700
AGCCGTACAC	CCATAATGAG	GCAGGAAGTG	GAGTGTGCAG	AGCACATCTT	TTAATTAAAA	5760
TTAACTATCA	GAAACGTAGG	CAGAGACCAG	CTCCCCACAC	CAGGCGTTGC	TATTTGCAGT	5820
GAAAGGCCCG	ATACCTTTGC	AGGACACCCC	AGATCTGCCC	CACGATTGAT	GTCAAATAGA	5880
TGCATAAAAT	TCCTTCCAAG	TCTTCAGTGC	TCTCTGGTGG	TTTCCCCACC	CTGCAGAGGG	5940
ACCGCCCCCG	GGCTCCCAAT	GGGGACAGAC	ACAGGGCAGA	GCAGCGGGTC	CCCTTGGCAC	6000
ATTGCTCCAA	GCAACCACAG	CACACATCCC	ATCAGATGCC	CCTTTCATAA	AGGACATCTC	6060
AAGGACAGAT	CTTTAGGGGA	GATCTAAACC	CAACCCAATC	CAAATGGGAC	ATCAGCTGCC	6120
CACTCGTGGA	CTGCTCCTCT	GAGGGGGGAT	TTTGGGTGAT	CTCTTGCAAG	CGAGCCCCCA	6180
GCCCTATCTT	GAACAAGGGG	AGGACCTTCT	CCCCATTGAA	CAAAGCCCTG	GTGTACACCA	6240
AGATGGGGGT	GTCATCATCC	GAGCTGAAGA	ATGCCACCCG	ACCCCTTCG	TAGTCCAGGG	6300
AGACCCGAAT	CCTCCTGGGA	AGTGCATTCA	GACGTAGGTT	GGCACGGGGA	GACGTGAGGG	6360
AGTGGTAGGC	CTCCAGCGCC	CAGACACCC	CTTTGGGGCT	GAAGCTCATG	GGTCCCTTCC	6420
TCTTCATCGA	AGCCCGGGCC	ACCCCCAGGG	CCCACACCCC	CCCCTGTCCC	ACCTCCACCT	6480
CCCAGAAATG	CCTCCCCGAG	GTGAAGCCCT	GGCAGCCCAA	CACGCAGGGC	TCGAAGCTGA	6540
ACCTCTCGGG	GTTCTCGGGG	AGGTCCTGTG	GCACCAGTTG	GCCCCGGGCT	TGTTTTCGGT	6600
CTTCAGAGAG	ATGGAGGTTG	GGGTGAGCGG	TGGTGGGGTC	CATGGTGACG	TTGGCTGTGG	6660
GACATGAGGG	GGAATGGAGG	TAGGATTTAG	GCTTGGGGGG	AGCTGGAGAG	GTTCCTCTTC	6720
CTTCTGTCTT	TTTCTCTGGG	TGCTTTTGGG	CATGGGCTGG	TGGTGGTGGT	GGGTTGATGG	6780
TTGGGCTGGG	TGATCTTTGG	GGTCTTTTCC	AACCTTTGTG	ATTCTATGGG	GTGTGTGGGG	6840
CTCCACCAGC	CTCAGTGTCC	CCCAGTAGAG	ATGTAGGAGA	ATGGGGAGAG	GACAAATTTT	6900
AGGGCAGCAT	AATGCGGGAG	GGACAAAGAC	ATGGGAAGGG	GACAGCTTGA	CATTACGGA	6960
GGGGAAGGGG	AAGCACAAAC	ACTGTTAGGT	TTTGCCTTGA	ATCTGTTACT	GGCTTTGTAG	7020
GACCACCAGC	ATCAGGATGC	TGTCCCCATT	CCCTCCCTTC	CCTGTGGGAC	TGCGTTGTTT	7080
TTTCCCAAGA	AAACCACTCC	CCACCCACA	TCCACCACTG	CTGACATACC	TGGCTCTTGC	7140
AATTGAAACA	TCAGGCTGTC	TGAAAAGGAG	AACAAATTCA	CTGCATTGGG	TTTATGCTTC	7200
AGGAAAAGGG	GCTGGGAGAT	GGGGAAGGGA	AACCATGGGG	GTCTGGGGGC	TTGCGAGTGC	7260
AAAAGCTCTG	GGTTTACTGC	AAGAGCCCCA	CGACCCTCCC	AGACCTGGAG	GAGACCCCGA	7320
CCCCATTGAG	TACCTTGGCA	CTTCTGCAGC	GTCAGTCTCA	CCAGGACGTT	CTTCTGAAGG	7380
AAGTCTCTCA	ACCTTCTTTC	CAGAGTGGGG	GAAATCTCTG	CTGGAGGGCT	GAACCTCATC	7440
ATCTCACAGC	TGCAAAGAGA	GGAGAAGGGT	GGGGATGGGG	GGACTGTTGC	GTTGGTTGGT	7500
TGGCTGTTCA	TTTTATTCTC	AATAGGAGAA	GCTATGGGGT	GAGGATATTT	GCACAGGGAC	7560
GAAATCCCTT	TCCCCCTG	GATCCCTCTG	CCTTGCAGCC	CTCCCCCAGG	GTGCCATCCA	7620
AAAATCAGGG	TGACAATAGG	AAGGAGCCAT	GTTACCTATT	CAAGAGCCTC	CTGATGTCCT	7680
AAAGGTGGGA	GGAGAGAGGA	GAGATGGATC	AGAAGAGGAG	CACCAAGGGC	TGCCCCCTTCG	7740
TATGGCAATG	CACAGCAAAG	ACCACCCTGC	CCACGGTGTG	ATCCCCCCCCA	GCAGCAACAC	7800
AGGGAGCTCC	CATGGGGTTG	AGTTTGGGTT	CTCAGGGTTT	GCTCTGTCCC	CCCATTTCCTC	7860
ACCACCCCTT	TGGGTTCTCA	CCAGCAGGAA	TTTGCTGTCTG	GGCTGCTGGA	ATTTGCCCTC	7920
CATCTCCCAG	ATCAGGGTGT	CAAGGTGGGA	CATCTCCTCC	ATCACCTTCG	TCACCGCATC	7980
CTCCTGTACT	TTGGTGACGG	CTCTGTCCAG	GTCTGCCAGC	TGGACCAGCA	GGAAGCGCTC	8040
CTTCTCCTTC	AGAAATCGCT	GCAACTGCTC	GAATTCACAC	ACTATCCTCT	TCCCTTCCTT	8100

Figure 32c

COSMIDE.txt

CTTGGTTTTC	TCCTGTTGGG	ATGAGGGAGA	AAGCCAATGG	GGTGGGAATAG	AGGCAGGAAG	8160
ACCCCCCTG	GGGTCTCAGG	ATGCCGTGTT	CTGGGGGATA	TCCAACCAAA	ACCAATGGGG	8220
ATGTAACACC	AATGCCAATG	GGAGCACAAC	ACTAATGCCA	ATGGGAATTT	ATCACCAGTG	8280
CCAATGGGAA	CGTAACAACA	GCGCCAATGG	GAACGTAACA	CCAGTGCCAG	TGGGAATTTA	8340
TCACCAGTGC	CAATGGGAAC	TTAACATCAA	AAAGCCAAAAG	ATCATCTTGC	TGGGCATTTG	8400
GGAGCAGCAG	GAATTTTTCA	GGAGTTTTAT	CCCAAAAGCA	AAACCAAAGG	AGGGGGTAGG	8460
AGATGAGCTC	TGTATGAGGG	ATATTTACAG	AGTTTAGGAG	GATCTGCTAC	GTTATCTCTT	8520
TAACACAGGG	GTTCTGCGT	AACCCAGCT	GATAAACACA	GCCTTAGCGC	TTCCCCAGCC	8580
CAGCTGCGAG	CCAAAAATGC	ATGATCTGCC	CCCAAAATAC	ACCAAAACAA	ACAGGACAGG	8640
GCGGAGGGGA	AGGCAGACAC	CTCCCCTGCT	GCACCCACCA	AATACAAGCC	CGTCCTTCCA	8700
CCAGTCC TTC	TGCTTTCCAG	GTACTTTTCC	CTCTCCTCCT	TTGAAGCCTG	GAGGCGAGCC	8760
TGAATTTCTT	CCTGTGCCAA	AAGAAGAAAG	GCGGAAAGCC	TGTTTTCCCA	CTTAAACTGC	8820
TTCTGT CAGA	TGGGAGAGGC	TTTGCTAAAG	CCTGGAATCC	TCTGCAAGGT	GCAGAGCTGG	8880
GCAGAGGGAA	GCTCTGTGAG	CACGGTGTGC	TGCTCTGGAG	CTCTGTGCAA	GCTGGGAGTA	8940
TTTTGCAGAG	AGAAAAGAGG	GGAGAAGGGA	AGGAAAAACA	CGAACTTGCT	GCAAACGTAG	9000
AGAAAAACGC	TGCAAAAGAG	CAACAAAAAA	ATCAGCACTG	ACAGCTGCGC	AAGGAGGTGT	9060
GGAAGGGCAA	GATAAGCACT	TGGTGAGATT	TCCCTCATAA	ACACCCCAA	ACGGCGGCC	9120
TGGGGTGTGT	TTCTGTATTT	AAGAGCCCTC	AGTGGAATGG	TTTTTG CAGG	GCTGTGGTGC	9180
AAGAGCAAAG	CATCAAAGGA	AGGAGAGGGC	AGTAATGTTG	CAAAGGGCTG	ACGGCGGTGG	9240
TTGCAAAGAG	GGAGGATGGG	GGGGGATGCG	CCAAGCAAAG	GGTTGCGTGG	GTTACCCGC	9300
AGGGATGCAC	TGCGCCCTTG	GCTCCGGGTT	TTGGGACCGT	ACCTTG TACT	CCTGGGCCGC	9360
CTGGTGGGCA	GGGAGCACAG	CGTGGGAGCG	GTGCGCCTGG	GACGCGTCGC	ACTGCGCGCA	9420
GATAGGCTCT	TGGTCCTCTG	TGCAGAAGAG	CTTCAGAGCC	TCGCGGTGCT	GCTTG CACCA	9480
ACCCGAGGAA	TGCAAACTCA	GCTGCCGGGC	GATGCTGGCG	ATATTTGCCA	GCTCTCTGCT	9540
GGGGCGGAAA	TTTTTGTGCA	ACGCCGTTTT	CCTGCACTGC	GGACAGGGGA	AATTTCCCTC	9600
CAGCCCTTCC	CAGCAGCGGG	CGATGCACTC	CCGGCAGAAG	TTGTGGCCGC	AGGGGATGGA	9660
GACGGGATCC	TGGAAGTAAC	CCAGGCAGAT	GGAGCAGGAG	GCTTCGCTCT	GCAGGCTGTC	9720
CAAGGGGCTC	TGCGTGGCCA	TGGGCTTCCT	GCTGGGCTCC	GATCCGCAGA	GGGAATAGGG	9780
GACCTTTCCT	CCTTATCTCC	TCGCTGATAG	GAGAAATCCG	GCCCCGAGG	CTGAGCCTGA	9840
GCCAAACAGG	GCTGGGAGAG	CTCAGCCCAT	AGGGGATGCT	GGTGGGAATG	GGGGCAGCTC	9900
GCGGCTCCCC	AGCACGGAGT	CACCAAACCTG	GGGGGATCTG	GGGGAAATTC	GGAGGAAAAG	9960
TCAGATTTTG	TCCTCTCCTC	GAGCAGCAAA	GAGGGCAGGG	GAGGCGATTT	TTCCCTTCTG	10020
TGCGATCACT	GTAAGGAATT	TCCAAAGAAA	ACGCATGGAG	GTCTGCTTGT	TGGGATGGAA	10080
TATAGACGTA	TATTGGAATA	AATACAGGAA	GACGTTGGAA	CATGGGAAGG	CACTGAGATA	10140
TAAGCGTGCT	GTGTTGGATA	TGACTCTGCT	CGACTAAAGT	GAAGGTGGTT	TTAATAGCAC	10200
TGCTCAGAGC	CAGGCGGGTT	TTGGTGT TGT	TTGGGGGGAA	TTACGTGGGT	TTGGAATTGG	10260
GAAATATGAG	ACGGAAAAAT	AAGAATAATG	GAAGCGCCCA	ACGTGGGGCT	CGAACCCACG	10320
ACCCTGAGAT	TAAGAGTCTC	ATGCTCTACC	GACTGAGCTA	GCCGGGCTGA	TGGGCACGCA	10380
CCCTTCTAAG	CAATACTTCA	TGGTGATCCT	GCGGAGGGGT	GCTAATAATT	CTACCTAATT	10440
ATTTTGT TAA	TTATCCCGGT	AATTATGGGT	TCTGAGCAAT	CGCGAATCCA	CGGGGAAGAG	10500
CTGCATGGGG	AAAAAGCACC	TATCCCTACG	GGAATAGCCG	GGAAGTGGCC	GGCAGTGCTG	10560
CAGGGCGGGG	GAAAGAGGGG	AAAAGCAGGA	AAAAAATGGG	CAAAATGGAA	CGTTTAAAG	10620
TGGAGAAATT	AACAGTGAAA	AAAATGCAGG	AAGCGTAAAA	GTAAAGGCTG	TGTTTCTGCC	10680
CGGTTTCGAA	CCGGGGACCT	TTCGCGTGTG	AGGCGAACGT	GATAACCACT	ACACTACAGA	10740
AACGCGCTGA	AGGCCGCTTC	GCCGCACGGA	GATGTGAAGG	GGCGAATGCC	GGGGCTCGGT	10800

Figure 32d

COSMIDE.txt

GCGGAGTTTG	CAGATAGGGG	CCGCTCCGGG	CCGCTCCCGC	GCCGGTTCCG	GTGAGCACAG	10860
AGTGCAGCGG	GTGACAAAAT	GAAGGGAAAA	ATGTAAAAC	GATGCTCCCG	AATCGAGGCT	10920
CGAACCGCCA	TTGTCCGACT	GACAGCCGCG	CGCTCTACCG	ACTGAGCTAC	CCGGAGACAG	10980
AGCAGCCGGA	AGTCACGCCC	CCGTAGAGCG	CCCACCCCGT	TGCCTAGTGA	CAGGAGCGCC	11040
GCTTCCGGTC	AAGTGATGAG	CGGAGGGGGC	GTGGCTTGTG	TCAGATAGGA	CGGAAGTTCC	11100
GGTCAGGTGG	TACTGGAAAAG	GGGGCGTGGC	TTGCGGCAAA	GGGGACGGAA	AGCGGAAGTG	11160
CTGCCGTTGG	TTGGCGGAGT	TCGCACCATA	GAAGAACGAC	GGCGGCGGTG	GGAGGGCGGG	11220
AGGTAGAGCG	GTCCCCGGGG	AGAGTGCTGA	GGGGAGCGGC	GAGGCCCGAG	GAGGGAGCGG	11280
AGCTTACGGG	GAGTGCGGAG	CCTCGAGGCG	GGTCCCAGCG	CTTCGCTGTG	GGGCAGGAGA	11340
AAGGCTTCGG	GGCAGGAGGA	AGAGGGCCTC	GGGGCCTCCC	CATGGAGGCG	GTGGGCGACG	11400
ATGGGGCGTC	GTCGGGGCGG	CTGAACCCCG	TGGAGACGCT	GCAGGAGGAG	GCGATCTGCG	11460
CCATCTGCCT	GGACTACTTC	GTGGAGCCGG	TGTCGATCGG	CTGCGGGCAC	AACTTCTGCC	11520
GGGTGTGCAT	CGCGCAGCTG	TGGGGTGGAG	GAGAGGCTGA	GGTGGAGGAG	AGCGGCGGGG	11580
CCGCGGCGTT	GGAGGAGGAA	GAGGAAGAGC	TGGAGGAAGA	GGAGGAAGAT	GAGCTGGGGG	11640
AGGAAGAGCT	GGACGTGGAG	CAGGAGGAGG	AGGAGGAGGA	TGGAGGCGGG	GAGGAGGAGG	11700
AGGAGGACGA	CATGTGGAGC	GAGGAGGAAG	AGGATGGAGA	GCTGTGGGAA	GGTACTGGGG	11760
GTCGGTTTGG	GCCTGCCCTG	TTGAGTGTCT	TTATGGATGA	GTGAGGGAAT	TGGGTGCACC	11820
CTCAGTCAGT	TTGCAGATGA	TGCTAAGCTG	GGGGGGTGTA	CTGATCTGCC	TGAGGGTAGG	11880
ACGGCCCTAC	GGTGGGGTCT	GGACTGGGCC	CGATGGGCTG	AGGGCAATGG	GGTGGAGTTC	11940
AGAAGGACCG	AGTGCCTGGT	TCTGCACTGA	GGTCACAACA	ACCCCATGCA	GCTCTACCTG	12000
GGGTAGAGCG	GCTGAAAAGCT	GTGTGAGGGA	AAAGGATTTG	GGGGTGAATA	TGAGCCAGCA	12060
AGAGGCCAAG	AAGGCCCATG	GCATCCTGGC	TTGTATCAGA	AATAGAGCAG	CTAGTGGGAG	12120
CAGGAAGTGA	CTGTCACTCT	GTA CTGGCAC	ACCTCAATGC	TGCACCCAGT	TCTGGGTCCC	12180
CTCTCACTAC	AAGAAAGACA	TTGAGGCCCA	GTGAGGATGG	TGGGGGTTGG	ACTCAATGAT	12240
CCCTGAGGTT	TTTTCCAACC	TTGATGATTG	TGTGATTCTC	AGACCCCGTG	GAAGAGGAGC	12300
TGTGGGATGG	AGTGGTGCAG	GGAGAACTCT	ACTTTGGGGA	CGATGATTAT	GATGAGGATG	12360
TGATGGAGGA	GGATGTGGAG	GAAGAGGAGG	AGGAGGAGGA	TGAAGCGCAG	AGCCCTCCGC	12420
CCCCTGTCTT	GCCTGCCCGC	CCTCGCCGCC	TGCAGACCTT	CACCTGCCCC	CAGTGCCGCA	12480
AAACCTTTTT	CCAGAGGAAT	TTCAGACCCA	ACCTCCAGTT	GGCAAACATG	GTGCAGATCA	12540
TCCGGCAGCT	CCACCCGCAC	CCGCAGCGCC	TCGCGCCGCC	CGCCGGCCCC	TCAGCCTCAG	12600
GGGGTCCTGG	GGGGAACCCA	GGGATCCTGG	TGGCAACAGG	AGGTCGGGGG	TGTCCGAATC	12660
TGTGCGAGAA	GCACCAGGAA	CCCCTGAAGC	TGTTCTGTGA	GGTGGATGAG	CAGGCGATCT	12720
GCGTGGTGTG	CAGGGAGTCA	CGGAGCCACA	AGCATCACAG	TGTTGTGCCC	CTGGAGGAAG	12780
TCGTGCAGGA	TTATAAGGTG	GAGTTTGGGG	AAGGGTCACG	GTGGGATAGT	GGGTGAGGTG	12840
GGGTTTGGGG	AAGGGCTGTG	GTGGAGAAGG	CGGGGTTTGA	GGGAAGAGTT	ATGGGAGAGT	12900
GGAGGCTTGA	AGGGAAAAGT	AGGTTGGGAT	CAAGCTAGGT	TCGTCTTGCT	GAGCTGGTTG	12960
GGTTGGAGGC	GTGGGAGGCT	GGGAAACCAC	ACACTGCAAT	GAGGAGGTGG	AAGGGTCTGG	13020
GTACCCATTT	TCTGCTTAAA	AACACCTTCC	CAGCACAGTT	CCTCAGAGAA	AGCAAAAGGG	13080
AAGTGGCGTG	AAAGTTGGCT	CTGAGGTTCC	GTTTTACAGT	CTGCCACCAA	ATTAGGGACA	13140
AAAAGAGGCG	ATGACAGAGG	GGATTGCCCC	AGGCAGGGTT	TGCTGAGTTG	TGTTTCCTTC	13200
CCTCAGTACA	AACTCCAGAG	CCATTTGGAG	CCACTGAAGA	AGAAGCTGGA	CGCGGTGCTG	13260
AAGCAGAAGT	CGAATGAGCA	GGAGAAGATC	ACAGAGCTGA	GGGTAAGAGC	TGAAGGTTTC	13320
TGTGCTTCAT	AGAATCATAC	AGGAGAACCA	TCAGGGTTGG	AAGAGACCAC	AAAGATCATC	13380
AGTTCCAACC	ATCACCGCTG	CTGGGAGTGT	GCCTTGGTGG	CTGAGCAAGG	AGAGAGAAGC	13440
TTTGCTGCTG	CTCTGAGCTC	TCACGGAGGC	ATCATATTCC	CTTTCCTGCA	ATTATTGGGC	13500

Figure 32e

COSMIDE.txt

TGTGAGGGCT	TGGAAACGGT	TTCCCAGTTG	AATTAGAGCT	TAATGAGAGC	TTTGTGTGCC	13560
TCAGTGTTGA	GTGGGAATTG	GTGGTTTGGG	AGCTGGTATT	CCTCATTTGA	GTTGAGGATG	13620
CTCTACATCT	CTAAACCTGT	GCAGACTTTG	CTCAGTTCTG	TCTGTGGTGC	ATTCAGGAGA	13680
TGCGTAAGCT	TATGGTGTGT	GGTGAAACTG	AGAGAAGCAT	AGCACAGCAG	CCCAAAAATG	13740
AGCTGATCTC	TCACCTCCCC	CTTCTGCAGC	AATTCCCCTA	ATGCTTTTCC	TCCCTCTGCA	13800
GGAAAAGATG	AAGCTGGAAA	TCAAGGAATT	TGAGTCTGAT	TTTGAGCTGC	TCCACCAGTT	13860
CCTCATTTGGG	GAGCACGTGC	TGCTGCTGCA	CCAGCTGGAG	GAGCGCTACG	AGAGCCTGCT	13920
GGCCCCGGCAG	AGCAGCAACA	TCAGCCAGCT	GGAGGAGCAG	AGTGCAGCCC	TTAGCCGCCT	13980
TATCACGGAG	GCAGAAGATA	AGAGCAAGCA	GGACGGGCTA	CAGCTGCTCA	AGGTCTTCTT	14040
CCATCCCTTT	CCTTGTCTTT	ATGGCAAAGC	GATAGCACGA	TGGTGGGAAT	AATGCTCCAG	14100
AAAGCTTCTG	TGTCATGAGA	GAGTGCCTTT	AGTTGGTGGG	CTGGGTGCTT	CTCCACCCCT	14160
CCTTGTGGTG	GTTTTTGAGG	GAAAATGCCG	GGGGGGGGGG	GGGGGGGGGA	TATGCCCTGA	14220
GAGATTTAGG	GTCTGTTTTG	GTAAGGAAAG	CCTCCAGCAA	TGTGTGGGCT	GTGTCTTTGT	14280
TCTCTGTGGG	GAAGGGAATC	ATCCAGGCTC	AGTGTCTGAGT	TGTGGCTGAT	AAGAGGATTT	14340
ATTGGGAGCA	ACGGTGGGAT	TGGTATCAGT	CATCCCTAAT	CCTTTCCTTC	TCTTTCACAC	14400
CTTGCTGCCT	CCTTCCCACA	GGACATCAAG	GGCACTTTTA	TCAGGTCAGT	GACTTTGTTC	14460
GCATCTTTTC	ACTTTGAATA	ACTTTTCTTT	TTTTTAATGT	CAAAAAAGCA	TTTGAGCTTT	14520
TGTTTTAAAT	CCTGTGTGAT	GGGTACAGTT	GGGGCCTGGT	AATGCAGGGG	AAAGCTGTGT	14580
CCTAACTTTT	GGGTGATGGA	AACTTCTGGC	TGATGGGGTG	CAAATGGGAT	CTGGGGAACA	14640
ACTTGGGAAA	AGACTTGGGA	ACTTGGGAAA	CAACTCTGGG	GCCATTTGGG	AAAGGGGAAG	14700
GGTGGGGAGG	AGATCTCGGC	CCTGATTTCT	GGAAGCGTGG	GTGTGCCCCAT	GCAGACCTCA	14760
TGCTATAGCG	AAACTCCTCA	CTCTGGAGAA	ACGATTCTCC	CCATCCTGTC	AGACAAATGG	14820
GCAGCGCTGG	GAGTTCTCAG	CCATGCTGGA	CGCACGTGGC	TCTACCCCAG	CTCTGTCTGC	14880
TGGCTGAGGG	AGGGTGGGGG	AGGCTGGCTG	CACCAGTGCA	ACCAGTTTGG	CCGATCCATG	14940
CGTTGCTCTG	GTTTTTCCAG	AGCTGCATGC	AGGCCGCCTC	ACTTCTTTTC	TGCTGCTGAA	15000
ATTCTCTGCT	TTCCCTCCTT	CCCCCCACCC	AAAAAAGATG	TGAGAACATC	AAATTCCAGG	15060
AGCCCGAGAT	GGTGCTGGTG	GACGTGGGGA	AGAAATACCG	CAACTATTTT	CTGCAGGATG	15120
TGGTGATGAG	AAAGATGGAG	AAAGCCTTCA	GCAAAGTTCC	ACAGGGTGAG	AGAGTCCTCT	15180
TCCTTCTACG	TGGGATGGGG	TTCCCTCCAC	TTGGGATGGG	ATTTCTCCAG	CTCTCTTGGG	15240
GTTCTCCTTC	CATCTCTGTG	CTCCCATGGT	TTGCAGCCTG	ATGATCCTTT	AGGAAAAGCA	15300
GCATCCCTCT	GTTCTCTCTG	TGCTTTTCCC	TTTTGCCTTG	TCCTGGGTTT	TCCCCTATTG	15360
TAGCTCCTCC	ATAGAACTGG	GGTTGATGTG	GATCTGGATT	CATTATAAAG	GAGGGATGAC	15420
TGCCTCAAAC	TCAGCATGGT	GCAGATACGC	AACCAGATGA	GGATTTAGGA	CTGGGGTGCA	15480
AGGGGGAAAA	AAGTGCCAGG	TGACCCCCTA	ACGACCCCCG	CTCTCTGCCC	TTCTTCCAG	15540
CTGACATCAC	GCTGGACCCG	GACACCGCTC	ACCCTCGCCT	CAGCCTCTCC	CTGGACCGCC	15600
GCAGCGTTAA	GCTGGGAGAA	CGACGCCAGG	AGCTCCCCAA	CAACCCCAAA	CGCTTCGACT	15660
CCGATTACTG	CGTCTGGGCG	TCCCAGGGTT	TCACCACAGG	CCGTCACTAC	TGGGAGGTAG	15720
AAGTCGGGGG	CAAGAAAGGT	TGGGCGGTGG	GGGCTGCACG	CGAGACGGCT	CGACGCAAAG	15780
AAAAAACCAT	GGGGCCTCAT	CAAAAAAGGG	AGATCTGGTG	TGTTGGCACC	AATGGGAAGA	15840
AGTACCAAGC	GCTGACGGCC	ATGGAGCAGA	TGGCTTTGTC	ACCCAGCGAG	CGGCCCCGGC	15900
GCTTCGGTGT	CTACCTGGAC	TATGAACGGG	GTCAGCTTTG	CTTCTACAAC	GCTGAGAGCA	15960
TGACCCACAT	CCACACCTTC	AACGCTTCCT	TCCACGAGCG	CATCTTCCCC	TTTTTCCGAA	16020
TCCTGGCTAA	GGGCACTCGT	ATCAAAAATCT	GCACCTGATG	GCCCTCCAGC	TTCTGATTTT	16080
TTTTTTCCCT	TTTTCCCCCC	TGCCTCATCC	TTTGGGTCCC	ACTTTGGGAC	CAGACGCTGC	16140
ACTTGTTGTC	TCGCACCTGC	TTGCTCACAA	GGCCTCTTCC	CTCCTCTCTC	CTGTCCCAGC	16200

Figure 32f

COSMIDE.txt

CTCTGTCCAC	GTCCCAACTC	TTCTCCGGGG	TCGCGATCCC	AGGCTGGTTT	GGTTTGGAGA	16260
AGGGATCCAA	TCTCCTTGCT	GGAGGTTTTC	CCTTCAGCTC	TTGGTGCTAT	GGGCTCCCCT	16320
CTGCCTTTCC	CAGTCCTCGC	AGCAGCTTTC	CAGTGTGCTC	TTCCCCGTTT	TGTTTAAAGC	16380
CTGTGGTCTGA	GCTTTGCGTT	GTTTGCCCTC	TTTGGATGCA	GAGCTCGAGC	TGAGGATGCT	16440
GGGGTCTGTA	CATTGTGACA	CGAGCACTGC	TTGTGCCCTC	TTGGCCATTG	CTTTCTGAAA	16500
GTCACCTCAGA	TGCACCAAGG	AGCCTCATTT	CTTTTTATTT	TTCAGTTCTG	GGGCACAACC	16560
CTCTGCCCCAC	CTCCCACCCA	GCCACCATCT	GGACCTCAAA	CCTTCCACGT	TCTCCTATTC	16620
TGCCACTTGT	CCACCTTCCC	CTTTTGCTCT	TCTTCCCCCT	CTGGGGGTCT	CCAGCTCTCC	16680
CTCTGCCCCA	TCATTCCCTC	GCCAACCATT	TCTTGTGGGC	CTGGCACTTT	ATTTAGGGCC	16740
ACGTAGGCCG	GGGAGGGTGC	AAAAAATTGG	GCAACTTCCA	CCTCTGAGGC	TGCTCAGAGT	16800
GCAGCATCGC	ACCAGGCCGC	ACCGGTGGGA	AGCAGCCTTG	TTCCCCCTTG	CAGCTTAAGA	16860
GCTCTCTGAG	GTGGGGGTAT	TTATTTTCTC	TTCCCTTTTC	TCAGCTGCTG	TTGAATTTCC	16920
AGCTGAATCC	TGTCCACCA	GAGAGACTCT	GATTGCACCC	TGTTGTGTTT	TACTTCTTTT	16980
TGTTGGTGGGA	TTGGTATTTT	TTTTTTCTGT	TGGCGTTACA	GAGCTAGTTC	AAAATATTTT	17040
TGGCTAAAAT	AAGAATTAAA	TGGAGATCTA	GTTTTTTGAA	ATGTCAAGAA	ATAATAATAA	17100
TAATAATAAA	GAATAAAGAA	TAAAGTTTTA	AAGCTGAGCC	TCTCCCTTAT	TGAGAGCCCC	17160
CAGGGGACAG	GAGTTGTGGT	GCAGGCCCCC	CAGTCTGCTG	TTAACTCCTG	CTGGTAAGAT	17220
GTGACTTAAG	CCTTGCAATCG	TTAATCTTAA	CTTAATTAGC	AGTAATTTGG	ATTGGGCTGC	17280
TTCCCTTCAG	CAGCTTGTA	AGGGATAGAG	GCTGCTGGGT	GAAGTGAAGT	CTGTGTTACC	17340
ACCTCTCCTG	CTCTCCCCAC	ATGTTTTTGG	TGGTGGTGGT	TGCTTCTTTT	TGGCCACGGC	17400
TCTATCTCCC	CAGGTGTGCA	CTCACTGTGG	GCTGCTACTG	CTCCTGAAAAG	GGCTCAGGGA	17460
GACATTTGAG	TCCCTTCGTC	CACACGTGGG	AGGAGAGCAC	TGATGTCCCC	ATCCTTAAAG	17520
TTGTGGGCAC	AGCCTTGGTG	GCAAAATCCAG	AATGGGATAT	AATGCAGCCA	TGAGCTCAAC	17580
AGAGCGCTCT	TTTATTGAGT	TTTGTGCATA	AAATCTGTGT	GTTGTTACCA	CATCCTCATC	17640
TGGTTCCAAT	GGTGACTTGC	CACACCCGGA	CGAGGTTATC	TGTGTAGCCA	GCAAACAGCG	17700
TCTGGGGAGA	GAAATGGAGG	AAGTGGATCA	TGAAAAGATA	GGAATCAGCC	CTCGGTGTGA	17760
ACGTAAAAAT	CTCAGAAGGC	AGCTCCCAAA	GCGGAGGTGC	TGGAGGAAGG	TGGGAGTTTT	17820
AAGGCTGCAG	GAGGAGCAGT	GAAAAGGGAA	AGGAGAAGGG	GATATTTCTA	CCTGCCCATC	17880
TGCAGACCAC	GCCAGAGAGG	TACACTGGGG	AGGCTCAGCT	TTGCTGCTGG	TGCTGATCAC	17940
CTCCTGCTTC	AGCTCATCCA	CAATGATTTT	GCCTTCCAGG	TCCTGTGCAG	GACAGAAGAG	18000
AGCGTGAGGG	ACTAAGGTCC	TGCAGGGAGA	CTGCTGTAGC	CAAACCCAAC	CATTCCAAC	18060
CAGAACAGGC	TCAGGGTGCT	CAGAAACAGC	CTCTGGGTTT	CCGCACAGGG	ATGCAGTCAG	18120
ATGGCATCGA	AGTTTCATCA	CAGCAGAGTG	GTGGCTGTGC	CCCACACCAC	CCTCCAGTC	18180
CAGGGGATGA	CAGTGCCACC	AGCATGACCC	ATCCCACGTA	ACCAAAAGGG	CTCTGCACCA	18240
AGGCATCTGT	GGGGCAGGGC	GAGGATTTTC	ACCACAACCTC	TGCCTCCAAA	CCCACAGGAT	18300
AAGGGAAGTG	ATTCTTTAGG	AGGTAAATAG	GGATGTCACA	TACCCAGATC	TTGATGCTGG	18360
GGCCGGTGGC	AGCGCAGAGC	CAGTAGCGGT	TGGGGCTGAA	GCACAGCGCA	TTGATGATGT	18420
CCCCTCCATC	CAGCGTGTAC	AGGTGCTTGC	CTTCATTAG	GTCCCACAGC	ATGGCCTGGC	18480
CGTCTGGGG	GGCAGCAAAG	AGGAATCACA	GCAAACCATC	AAACCTGTGG	CTTTGTTCCA	18540
GTTGTCCATC	TAAAACCTTC	CAGCTTGGAA	ACAGCACTTG	ATTTGTGACT	GAGATGTGGG	18600
TGAGTTGCCA	CAGGACAGCA	AGAGGCACAT	AACTGAGCTG	TGAGAACAAC	AGAATAAGCT	18660
GCAATTTGGC	CTCAGCTTTC	CCCCAGGGTG	TACCTTGCCCT	CCAGAAGCAC	AGAGGGAGCC	18720
ATCAGGGGAG	ACAGTCACTG	TGTTTCAGATA	TCCCGTGTGG	CCGATGTGGT	TTGTCTTCAG	18780
TTTGCAGTTA	GCCAAGTTCC	AAACCTAAAT	GAGGGTAAAC	GTGACAGGCT	CAGAAATATG	18840
GAGGAGAAAA	AAAACAACCC	TCTCATGATC	ACTGCTCAAA	TATTCCCCAG	AACGCCGCAC	18900

Figure 32g

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AAACCCCAAA	GGAGCTGCTC	CTCTCACCTT	CACCAGCTTG	TCCCAGCCAC	AGGAGACAAT	18960
GATGGGGTTG	CTGCTGTTGG	GGGAGAAGCG	CACACAGGAA	ACCCACTCAG	AGTGGCTCTC	19020
GTCCTGAGGA	GAGGAACAGC	ATTGGGTTGA	AAGCAATGAA	AAGCATCCCC	AGTCCGAGCT	19080
GCTGCATCCC	ACTGCTCCCT	GAGCCCCCTCA	TAATTGCAGG	ACGTGTCCTC	AGACCCCCCC	19140
CAGAAAGAAA	GGTCAGCAGG	CACTGTGTCA	CTTCTAATCA	TTAGGACGGA	GCTGGGAGAT	19200
GTGGATTACG	GATCAAAACC	AACAAATCAA	AGAGAAATGG	GGGAATACGG	ACTCAGAAAC	19260
AAGCAGAAAG	AGGTTTATTT	TCACAGTGTG	GAAACTCAGA	TCCGTTGCCT	CACCTGCACC	19320
GTGTATTTGC	AGACACCCAA	AGTGTTCCAG	AGTTTGATGG	TTTTGTCCCT	GGAGCCCGAA	19380
ACGATCTGGC	GGTTGTTCGA	GGAGAAGGCG	ACGCTCAGCA	CATCCTTGGT	GTGGCCAACA	19440
AAGCGGCGGG	TGGTGGTTCC	TCTGCAGGGA	CACCAGGAGG	GTCGCACGGG	AGGGACAAAG	19500
CTCAGCAAAC	CCCCATTAAA	TTAATTAACC	CTCCCCTAAA	TTGAGGAGAT	CGTGCTGCAG	19560
TGCATAAATT	CTTAATGAAC	ACAACGTATG	GAAGCAGGAA	GGAAGCTAAA	ACGGAGTCAT	19620
CTCCACATGG	GTTGAGGAGT	GGTGGTTCCCT	TCCCTCCTTC	CGAACAGGAA	CAAAGGGGTG	19680
CCAAAGCTTT	TGATATAGGG	TTGGAATAAT	CTGAGGAGT	TTAGGATATA	AAACTCAGCT	19740
TCCGTGGACA	CACAGCAGCG	TAAGTGCTGA	ACGCTTTTGG	AGGATTGGGG	TAGTTCTGCT	19800
TCCTGAGGAG	TTTCTTCTCC	TATAGTACTC	CCAAAAATCA	CAGTGCAAGA	AGAGCCGGTG	19860
CTGCTCCAAC	CTCACCCCAA	ACTCTGTACC	CCAAAATCAC	ACCGAAGGAA	AAGCCTGCTT	19920
GCTCCAGTCT	GTACCCCAAC	GCGATGGTGA	AGGAAGAACC	AAATCCCCCC	CTGCTGCTCC	19980
ACCTGCTTCT	CTCCCATCAT	AATTGCAGGA	CGTGTCTCTA	GATCCCGGAG	GATCAGCAGA	20040
CTGTGTCAGG	TGTAATCACT	GGGAGAGTGA	GCTGAGGGAG	GAACCGCTTT	GGTCCCTCCCT	20100
CCAAGCATGA	TTTACCACCC	AACCTGAGAG	GAACCTCACCT	CATTTTCACG	CTGTACCGCA	20160
CACCTCTCAC	CCACCCCAAC	ACCCAAACAA	AACACAGAGC	CCAGCTCTGC	CCCAAACCCC	20220
CACCCCAAAG	CCCTTTCAGT	CCCCAGGACT	CACGTGGTGA	GGTCCCACAG	CCTCAAGGTG	20280
CCATCCCAGG	AGCCCGACAG	CGCAAACCTGC	CCATCGGAGG	AGATGACCAC	ATCGCTGACA	20340
AAGTGCGAGT	GGCCGCGCAG	GGCGCGCTGC	GGGATCCCGT	AGTTGGTCTC	ATCTCGGGTC	20400
AGCTTCCACA	TGATGATGGT	TTTGTCTGGG	AAGGGGGAAA	GGCAGCGGCC	TCAGCTCCAA	20460
CCCTTCTCAC	ATTCCCGTCC	TCCTGCGGCT	TTATCTCCCT	CATAGCAATG	GGGGGGTTAC	20520
ACAGAAGCAC	CGCACCCCTT	CCTCTCAGCC	CCCCAACCGC	CTCCCTACGT	CCTCATACAC	20580
AGCAGCCTCC	CCACCCTGCA	GCTCTCTGTC	CCCGAGCCCT	GCACCCCAT	CATCACCTCC	20640
CCTCCCCCAT	GGTCCCCCCC	AGCCCCCTCC	TCTACCACTG	ACGGTCTCCC	CTTATCTCCC	20700
ACAGTCCCCT	CCATAGGCCC	CACAGTTCCC	TGCCCCCCCC	CACCCACAG	TTCCGCCCCC	20760
CCCGCCTCGG	ACGAGGCCCC	AACCCCTCAG	GCGCGGCCCT	CACCCGCGCA	CGCGGAGAGA	20820
ATCATGTCCG	GGAAC TGCGG	GGTGGTGGCG	ATCTGCGTCA	CCCACCCATT	GTGGCCCTTC	20880
AGGGTACCGC	GGAGGGTCAT	CTGCTCCGTC	ATGGCGGCGG	CGGGGCGGAG	GGATGGCGGC	20940
GGATTCAATA	AAGGGCCCGG	CCCGGTCCGG	TCCTACCGCC	CGCGATGGCC	GCCAGCGCGG	21000
AAAGAGAAAG	AGGGAGGTGA	CTTCCGGCGG	AAGCGGAAGT	AGCCGCTGGG	TTGTACGGCA	21060
AGAGGGGCAA	CATGGCGGCG	CGCATAGAGA	GCACGCTGAA	TGGGGGAATG	GGCTTTGGAG	21120
GTGGGGAGGG	AAGGTTGTTC	TCTGCCGCTG	CAGGGACACG	AGGTGCGGGC	AGAGCACCTT	21180
CTTTAACATT	TGCTATTATT	TAACGTTTTA	CATTTAGCAT	TTTTATTATC	CCTGTTGTGC	21240
CAGGACGGAG	AAGAGCAGGG	TGTGCAGCCT	GTGCTTATCA	CCTGCAGCTG	TCCCTGCACC	21300
CCACAGCCAA	CCCAAGTTTG	TGACGCCTGA	GCAGGATCTG	ACCCAGGAAG	GCAAACAGAA	21360
GGTCTGAGTC	CTCCTCCCTT	TCCTTTCCCA	TCCCTCCAC	GCTGCAGTTT	GGGGGCTGTG	21420
ACCCGTCCGC	GTTGCTCAGT	GCTCATTCCT	ATGAGCAGTG	GCTGATGGTG	ATGTTACAAA	21480
GTTTTTGGCA	TCCCTGTGGG	TTCCACCCCC	GTTTTGTCTC	ACCAGCCTTT	TTCTATCCGT	21540
CCTTATCAGC	AGATCATCCT	TGTTATTAGA	TCTGTCTTTT	TCCAGTCACG	GCTTTGCATT	21600
TTCACCTTGG	TTTTACCACC	TAACATCAAG	CCTTTTGTCC	CCATCTGATG	ATATTCATGC	21660

Figure 32h

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AGATAAATCC	GTAAAGCAGG	GAAGAATTAA	ATTCTGGCCC	CTTCTACACC	CATTTAGGTT	21720
TAGATCTTTG	CAGCATTCAG	CCAAGACGTG	CTTCCAGAGC	CAGGAATAAC	GTGTCTTGAT	21780
GTGCCAACAC	ACCTTGAAAT	CCAGAAAATT	GCCCCAAAAT	AGGCATGACT	CAGCAAGCAC	21840
CGTAGTGGGC	ATGATTTGCT	TGGGTGACCC	CGTGGGTAAG	GAGCCATTTG	TTGGACACCA	21900
CGATGTCGTT	TTTCACAGCC	CTGTGAGCGC	AGCGTCTTAA	ATTGCCCTCC	AGACATTCCA	21960
AATTTGGAGA	GCTCAAATGG	CAAAGGTGAA	ATGGGCGTCA	GCCCTCCGGG	ATGAAGGAAT	22020
CTCTGCCGGG	GTTTTCCGTT	GGATCACAGC	AGGAGGATTT	GCTTTCCTAA	AGCATTAGAG	22080
TGACGTGGAG	AGCCCCAATC	GGACCCAGTG	GCCACATTCT	CCCAAGGGAA	AACCCTTCGG	22140
GTGCCCCCTAC	GGTTCCTTTT	CTAGCATGAT	AACAACTTTC	TTTTCCATCC	GCCCATCCCC	22200
TTTTGGGTTT	GGAGGTTGAC	AAATCCCCAC	TGAAATTCCT	ATGTTGCACA	CATGTCCTTC	22260
ATTCTTTAAG	TAGGAGTTAG	CAAAGGTTCC	GCATTGACTT	AATTCAGAGC	GAGATCAACA	22320
ATTTTAGGCA	TTCTTTATGA	ACTTCACATT	GTTTTATGCT	GATCAGCAGC	AAAAAACAT	22380
ACAGGAATAG	GAGTGTGTCT	GTAGGAGTGC	TCTGCATTTT	CTTGCTCGTT	TGGCTGATTA	22440
AGGAAGCTGG	GAGGAAATGT	TGTGAAATAA	TCCCAAGTGA	TGAGAGACTG	TGGGTATGGG	22500
AGGAGATGCC	CTCTGTCTTG	GTGAGCAGTA	GGGACAGAAG	ACCTGAGCTC	ATTTTCATATA	22560
TCTGTATATT	AAGGCAATGC	TAACCAGTGC	TGTCGTGTTA	TTTGGGGCCA	GGAGTGGCTT	22620
CTGCCCCGTT	GGTGCCCAT	AACCAGTGCT	GCCCCATTTG	GGATTGGGGT	CTGCTCGCAG	22680
ACCACATCCA	CCAACCAACC	CATGGCTGAT	AGCAGAGAGG	CGACCAGGTC	AACCCTCCAT	22740
ATATCTCTGC	AGAAACCTGT	TCCTGTCTAT	ACAGGGATCC	CCATCCCTCC	CCCAGCCCTC	22800
CTTCCATCCT	CGGCATTTGG	GTTGGCTATA	ATTAGGCTCT	GGAACGTTT	CCCTGCTGCC	22860
AGCACAGCTG	TCGTGTCTGC	AATGATCCTT	CCAGCTCTCT	GCGGACACGC	AAACCCTCCA	22920
GCAATCCTAA	ATACCCATTT	CCTGCACTCC	TGGGACAAAC	TGGGAGCTGC	CAAAAATCTC	22980
CAGCCCCCCA	CAGACGTGAC	CATCACAGCA	CCAAGGAGCA	GAGCAAGCGC	AACGTGATTA	23040
CGGTGCAGGT	CGGGGTAAGC	CTTTCTCTTT	CTTCCACAG	CCCAGGATTT	GGGGGATCCT	23100
ATTGGCTCTA	TGGGATCTGG	GAGATGCAGG	AGAAATGTGA	TCCCTTTGCT	GTAGCAAAAC	23160
AACCTTTTAG	AGTCTTGCAC	CTGAATCTGG	CAGTACTGGA	AAGCAGGAGA	GGGATTAAGA	23220
GTCTTCTGCT	ATTATCCTGC	TCATAGGGAA	ATACAGCACA	GAAATCATTG	GGGCTGCTTC	23280
CTTTGCTTTT	TTGGCACAAA	TTTAGGTCCCT	CATTACAGCG	TTTCTTTGAC	TGAGACCCCA	23340
ATAGGATCTA	CAGGGGTAGA	ACAAAGCAGA	CAAAAAGTGA	TTGATGTTTC	CTATGCGATT	23400
TGTTGCCTTT	TCCCATTTAG	ATTTCTGCTT	TTCTATGGG	GCTTTTTGCT	TTTTACAGC	23460
TTTTTTTATT	CACTGTAGTG	AATAGAAATT	TTTAGGGCTT	TTAGGTCATT	GATGCTGTTA	23520
TGAACACAGA	GATGAACTCA	TAACACCTTC	CTGGTGTGGT	TTGTCTATGG	GATAGAAAGG	23580
AGCTCATGGT	GCTGTGGACA	ACTAACAGAG	GTGCCTGAGG	GCTGGGCCCT	CTTTGTGCCC	23640
CTTCTGGGGG	TCAGCAAAC	CCTTTTATTC	AGATATAAAT	CCCCTCATCC	ACAATTTTAC	23700
CAGTCTTCCC	AATGCAGACC	CCAAAAAACA	TCCCCAATGA	CAAAGTCCAC	GAAGTGAAG	23760
AAGCAGCAAA	AAGCCTCCCA	GCCCCAAATA	TTTATCCCTT	ATCCCATTTA	TTTCTATGGG	23820
CAAAGCTATT	CTAGGCATCA	GGAAGGTGGG	AGATTCCAGG	TCAGTTTGTT	CCTAATTGTG	23880
ATCTTTTAAT	GATGTTTCTC	CCATCAGGTG	GACATTTGGA	AGTGGTTCTG	ACTGGGAAGA	23940
GGACGTGATG	ATGGCATCAG	GTAGAGCTCA	GAAAGTGGTA	TTTATCAGCA	AAGCAATTTT	24000
CCAGGTCTGT	TTTTTCCCAT	TTTTCCCAT	TTTTTTTCTT	ATTCAGGGAA	GAGGAACGCG	24060
GATCTTGGTG	AGTGATTTTC	TTCCTTTTAC	CTTCAAAAAG	TCCCTTTCCA	TGTGTAGAAA	24120
TGGATATACG	TACCCCCCAC	TGATACCCAT	TTCCTTTGTT	CTGTCCTTAT	ATTTATACTT	24180
CCCCATATTT	TGAACACATG	AAAACAAAGC	CCACATTAAA	TAAATTCATA	AACAGTGCAA	24240
TTTTTTGACT	ATTATTTTCC	ATAGAAAAGT	ATTAAATCAG	TGCAGAAGTG	CCTCTGGAGG	24300
TGACTTCTGC	AGCACCCAAA	GAGAGAGGCG	TAGGGCTGAG	TGCTCTCTCT	GTCTCTCTTT	24360

Figure 32i

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TAGAAGAATG	GGATGCAAAA	ATCAGTGAGT	GCCCTTTTTT	CCTCTCCCTT	CACGGTGAGG	24420
TATGGGTGTG	GAGGACCTGA	ATTAATGTGA	ATTCCTCTGT	TTTAAGGGAA	GCTAACAGAA	24480
GATTTTGGTA	AGTCGCTTAT	TTTCCTCGAT	CTGAGTGCAT	ATTTCTACAC	CTTTACCATC	24540
AGTGATGACC	AACGTGTGTA	TGCATTTCTC	TTTATTCCAT	TTAGAAGAGA	GCGACACAGA	24600
GCTCGGTGAG	TGCTTTGGGG	TCTTATCAAG	GTGGAAAGAT	GCCCCTCTGT	GCAACAGTGG	24660
GGATTGGGAG	AAGCCCTTCA	GCTCTTCCAT	TTATCCACAT	CTGATACCCA	GATGGAGTCA	24720
GGATGCAGAA	CTGGAGGAGG	AGGGCCAAAG	CTTTGGGCAT	TTTGGGGTTA	TTTTTGTTCC	24780
TCGAGAGCTC	CCAGGATTGA	CCCGTGTCCT	TTTCTGTGTT	ATTTCCAGAG	GAATGTGACA	24840
CAGAAAGATG	TGAGTGTCTT	CCGTGAGAGG	GCTCAGAGAA	AGACTTCCAC	CAAATCTCCC	24900
TCCTTTAATG	TATATTCTGA	TGTATTTATT	TAAGGGGATC	TCGCAGCTGA	GATCGGTAAG	24960
TCGTGTGTGG	TTATACACCC	CTATTTGTGC	CTCCCATCAA	ACAGGGCTCT	GTGCAGCTTG	25020
AGTTGGTTCC	CACAGGGTTT	GTCCCCCACT	CTTCACACGA	ATATGGGGGT	AAAACCCAAC	25080
AAAATGGCAC	AGAGGGATTG	CAGAAAGGGC	GGGCGTTGGG	TGGCGCTGTG	TTCTGATCCA	25140
AGGGAGGGTG	AAGCTCATGA	GAATGGTTCT	TTCTTTCTCT	TTTTGAAGAC	AATCTGACTG	25200
CAGAGCTCGG	TGAGTGCTTC	CCTTTCCTCT	CTGCTTCGTT	TCACTGTTGG	GTTTTTAGGG	25260
GGGAAAAATG	CTTATTCCCC	CCATAAACAC	ACACATGTAA	CCCAACCTGG	GCTGGAAGAA	25320
GGGTCCAAAC	GTTCACTAAT	GCAGACTGCA	ATTATCATTC	CCAATTGGAA	GGTGATTCCA	25380
TCATGAACCA	TCCACCCATC	ACAGTGGAAT	TCTGACAGTG	TTTCTCTCTG	TTTTCCCTTT	25440
CAGAGGAACG	TGATAGGAAA	ATCAGTAAGT	GCCTTTTTTC	TTCCAGAACT	GATGGGAAGC	25500
GATGGGTTAG	GGTTAGGGTA	AGGGTTAGGG	TAAGGGTTAA	GGTTAGGCTT	GGGGAAAAAT	25560
AAGTTAATAC	ATTTCAATTAT	GGCTTAGAAT	TGAAACTAAT	GTTCATCTAT	TTCTTTGTTT	25620
TAAGGAAAGC	TCACATCAGA	TCTTGGAAG	GGTTACTTCC	TTTAACTAT	CCTTAATTCT	25680
GCAACAGTGC	TGGGTATAGA	GTAAGAAAAAT	ATGCATGTGA	AGGTGTATGT	ATGCACATGT	25740
TAATTCATTC	CTATTTATGT	ACTCGTTAGT	TGCTATATAT	GTATTAATTT	ATTCACATTA	25800
TATATATATT	TGTATATATT	TGCAAAATATT	TGTATGTATG	TGTGTATGTG	TGAAGAGATT	25860
GGGGTTTCCT	CTGGTTGAAG	AGGGGGGTGA	ATGACAGCAG	GTGTCCTTAA	TAAGCCTTAT	25920
TTTCAAAACA	CTAACAAGGA	GAATTGGGAT	ACACAGAAAT	AAAGCCTAAA	AATGGGAAAA	25980
AGAAAAGAAT	GAAATGGGTA	AAATATTGAA	AAGAACAAAA	AGTTTGGAGA	AAAGAAATGA	26040
CAGTTTTGGT	TGGGTTGGGG	CTGCTCTGCA	TTTCTCCGCT	TATTTTCTCC	CTTTGCTTTC	26100
AGGTGATGTT	GACACAAAGC	TCAGTGAGTG	GAGCTGCTCT	TCCTGCCCCA	CATTTAAGAG	26160
TATTTTGGT	ATTTTAAAGA	CTGTTTAAAGA	ATATTTGGAC	ATTTCTGTG	GAAAATGGAT	26220
TTCTGGTCTG	TAAAAAAAAC	CTGGGGCTTA	TTTTTGAGGA	CGGAATAAAT	GTCCCAAAAA	26280
AGGGGGATTT	TGGCATCAAT	TGACTGGGAG	GTGAAAAATA	AAAGCAGTGA	TCTGAGCGTG	26340
TTGGGGCCAA	TGGATGAACC	TCAATGATCA	TTGTGGTCCT	TTTCAATCCA	GGCCATTCTA	26400
TGATTCTGTG	AAAGAAAAGA	AGATAATTAA	CATTTAATTT	TCTTCTTTCT	CTTCTCATTC	26460
CAGAGGAACG	CGACAGGAAA	ATCAGTGAGT	GTCACTTTTT	TGGGGCCAAA	ACCCTCTGAT	26520
TTGGGGAAGG	GATCCCTGAT	AGAAGTGGTT	AATCCTGTTG	GTTTTTCCCT	CCTTGCAGCC	26580
AAACTCTCAG	CAGAAATACG	TAAGTCCTTT	TCCTCCCCAA	TCTGAAGTGT	TTCTTTGTAT	26640
TCTTAGACTT	CCTTTTTTTT	TTTTTCTGT	TTTAATTAAA	ATAATGCTTT	TTTTTGGTTG	26700
GTTTTTTTTT	TCCCTATTTG	ACAGGCAGAC	TGACTGCACT	GCTGGGTGAG	TGGTGCCATT	26760
AAATCCGTGT	GTGGTTTTGG	GCTGAAAACC	CTTAAAAATG	GGAAGTCTGC	ACCCAGACAG	26820
CTCATCTCTG	TGCTTTGTTT	CATTTGTAAT	AGAATAAAAA	TGGGGGGAAA	TGGGCAAAAT	26880
GAGCATTGCA	GTGAGCAGAG	CTGCTGTCCT	GGGGCAAGAG	GGCACC GCCG	TGTAAAAAAT	26940
ACATATATTT	AACCATTTTT	CCTTCTTTTT	TTCCCATTTA	GGGGACCGTG	ACTCAAAGCT	27000
CCGTGAGTGC	CACTCTCCTC	CTGATTAAAA	TCTGAGTGAA	GATGTGGATT	TTCTCAGTG	27060

Figure 32j

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TGCTCCTACA	ATCTCACTTT	TTCAGCACAG	TTTTCCCCAA	ACTTTGTGTT	TCTCCACCCA	27120
ACCCCTTACA	CTGATCCTAA	ATGGGTGTAT	TGCCTGAATC	AGTGGTTTTT	TTCCCTATTT	27180
TTTATCTATC	CTGTTTTATT	CCAGTATATG	TTTTTATGAC	ATAATTTTAT	GACATATTTT	27240
GTTCTATGAT	GCCCATAGAC	CTTATTACCA	TTGCCTGCCC	TGTGTGGATC	AGAAAATATA	27300
TTTAATATAA	AACAGATATC	TCTACTGACA	GTGATTTCTG	ATGCACCCAT	GAAGGAAAAG	27360
GATTTAAAAT	AAACTTTAAT	TTTTCCCTTT	TTAGGCAAAC	TGACAGCAGA	ACTCGGTAAG	27420
CCATTTTCTT	CCCCATTCCC	ATAAAACAAA	TGAAATTATG	GATGGATGGA	TGGAAATTAA	27480
CCAGTTAGTA	GAGGTCAGCT	TTGCTCTAGG	ACGGTCTGAA	AAGTGACCAA	AATCTGCTTT	27540
TACTCATTTT	TCTTCTTATT	TTTTTGTAGC	AAAGTGCGAT	GCAACGATCA	GTAAGTGCTG	27600
CTGCATGTGG	GGGTACCTCC	ATCTTCGGGT	CATTTTCTGC	TGTTTCAGCA	TTGAAAGGAC	27660
ATCAGAATTC	CTTAAATCCA	ACAAAATTGG	GGTCACTCGA	AGGAATCTTT	GCAGATATGG	27720
GGGAAATCAG	AGCCAAATTT	TGAGGGGGGG	AGGGAAAATC	TCAGGGGTGT	TCAGAAATC	27780
CAATGGGATC	TGATGGTATT	TTCTGCTCTC	AGGACTGTTT	ACAGTGGAAC	TCGGTGAGTC	27840
CGTTTCCTTT	TTGTTTTTTT	TTTCTAATTA	TTATTTATTA	GTAAGTATTAT	AAATCAATAT	27900
TACTGTTGCT	TATACATATT	GTTGTACATT	ATATACATAA	TACATACATT	ATATACAGTA	27960
TATAGTATAC	AGTAGTATAT	AATATTATGT	ATTATATATA	TATAATGTAT	TATAATAATG	28020
TCATATCTAA	TATATGTCTG	TATTAGATAT	AATGCATATA	TATTATTGTA	CTACAGTCAT	28080
ATTATAATAC	ATTTACTTAT	ATCTGCCTTT	TTCCACACGT	TTCATTGACC	TGATTAAAAA	28140
CTAAATCCTA	AAGGCAGAAG	AAGATGAAAA	CCCCCAAATT	AACACCAAAT	AATTGCAGCT	28200
ATAGATCATA	TCTATCAAAG	CAAATTTGCC	TTCAGTCCAC	ATCACGAAAT	TAACAATAGA	28260
AAGGTTTAAA	TTTGGAACGT	ACAAACAATG	ACAAATAACC	CCCAATGGCT	TTTCTCTTCT	28320
TGCAGGAGAG	CGTCACACCA	AAATAGGTAC	GTGAGGTGTT	TGCTACCTTC	GTTTGGAAGG	28380
AAGAAATTGC	ATTAATAAAA	CCTCTGTCCA	ATATGAAGCC	GGGGTCAAAT	TACTCATAAA	28440
TCACCACTGA	TTGTCCATGA	ATTAACAGGG	AAAAAAGGC	TAAACTTGAA	AATAACATTT	28500
TTTTTCATCTC	TCTTTTAAGG	GGAACCTCACT	GCAGAAGTTG	GTAAGTCTCT	TTCCCATCAG	28560
TTTAAGCAAA	AATGGTTCAT	CAGATATATA	ATAATCCCTT	ATTTCTGCTT	GTTTTTAGGG	28620
GACTACAACA	GGAAACTTCG	TAAGTGCCCT	TAACCTTCTCC	CATTAAGAGT	TAAACCTTTC	28680
AATATTTTTG	ATGCTTCAAT	GTGCTGAAGC	CACCAAAAAT	GTGTTTTAAT	TGTAAAGGGG	28740
CTGAGCGTCA	AACCTGAACA	CTGCCATGTT	GGGGGCTGAG	ATTCGTGGGA	TTTGGGTTTT	28800
CAGTGTGAAA	ATGCCTCTGG	GTTTCTGTGC	CTGAGCTCAG	GGAAACACGA	CCAGGGCTTC	28860
CCAGTAGGAA	TGAGACCCCA	AAATATTTCT	ACCTGGGGCC	TTTTCCCATT	GGGAATTTAT	28920
TCTGTAAATC	CATATTTCTC	CACGTTTGAG	CGTCACTCAT	CAAATGTCAC	AATCTTGCCA	28980
ATGTTGAGAA	GATATATAGA	TATCTATTTT	AATACTGATT	AATATGGAGG	TGTTTGTGTT	29040
GGTCAGTGAT	GTCATCGGGA	AAAGATCTGA	GTCATTGAAT	CCCCATTTCT	TTTCTCTTTA	29100
TTTTAAGGGA	AACACGCAGC	AGAACTTGGT	AAGGGAATTC	CCTCCCTGGG	TTTGTTCTCT	29160
TGTTTTTCTC	TTTTGGAGGG	GGATTTTTTC	TATGTCTTCT	TTCTATGTCT	TCTTTCTATG	29220
TCTTCTTTCT	ATGTCTTCTT	TCTATGTCTT	CTTTCTATGT	CTTCTTTCTA	TGTCTTCTTT	29280
CTATGTCTTC	TTTCTATGTC	TTCTTTCTAT	GTCTTCTTTC	TATGTCTTCT	TTCTATGTCT	29340
TCTTTCTATG	TCTTCTTTCT	ATGTCTTCTT	TCTATGTCTT	CTTTCTATGT	CTTCTTTCTA	29400
TGTCTTCTTT	CTATGTCTTC	TTTCTATGTC	TTCTTTCTAT	GTCTTCTTTC	TATGTCTTCT	29460
TTCTATGTCT	TCTTTCTATG	TCTTCTTTCT	TTCTTCTTTT	CTTTCCTTCT	TTCTTTCTTT	29520
CTTTCTTTCC	TTGGATTTTG	AGCCAAAAAA	ATCACCTCAA	AATGAGCCTG	AATGTTTGCA	29580
CTGAGGACTG	AGCACAGCTG	GGCACTAATT	CATCTTTATT	TCTCTCTTAT	TTACAGAGGA	29640
ACGCGATCTG	AAAATCAGTA	AGTGCTGCCC	CAAAGCCATA	GGGCTATGCT	GGGCTTCATC	29700
CCCACAACAT	GAATTTTATA	AATTAAATAA	ATAAATAAAT	AAATAATTTT	ATATTTTATG	29760

Figure 32k

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TATTTGATAT	TAGCAGTATT	TAAAAAAAAG	AATAAAATAA	CTCAAGAATC	TTAGGATCAA	29820
TAGTAACACA	ATGATGCAAC	GTGGATACAA	AAGCAGTAAT	TCCTATTTCT	TTGGGTTTTT	29880
ATCCTTCCAG	GGGAACACGA	AGCAGAGATA	CGTGAGTGTT	ATTTTATATA	CTCTATAATG	29940
GAAAACTTTT	TTCTCTGTAA	TATAAAAATA	GGCTTTATTA	TTTGAGGGGT	TTTTTGGCTT	30000
AACGCAAATG	CGAAGTGCTT	GAAATTCTAC	GTATGAAATA	GAGGATTTCC	CATAGAGAAA	30060
AACAGCAATT	TGGGGCTGGA	ATAAAAGTTT	CATTTCCCTG	CTGAAAAGTG	AATGAAAAGG	30120
GGGGGAAAAG	AACATAAAAA	TTGAGTTTTT	TCCCTCATTA	ATCTGTCATG	AAATGGGTTG	30180
GGTTCCTGAA	TGGTGATGTC	AACACCTCGT	TTTGGGTTCA	GCCCAACATA	ATATGTGTCT	30240
GTCCTTTATT	TCTGTATCAC	TGGTGTTAAA	GAGAGCTGTT	TTGAACTAAT	ATCTCTTTTT	30300
TAATTACTTT	TTCTTTTTCT	TTTTCTTTCC	TTTTTTCTCC	CGTTTCTCTC	TGTTTTGCTT	30360
TAAGGGCGCC	TCACTGAGCT	GCTCGGTAAG	TGCATTTCCCT	TCCTTGCATC	TGTCAATCCA	30420
GCAACAAACC	AAAGCCTATT	TTGGGGGGGA	AGGAGGGGAT	AAAACACAAT	AATGATGAAA	30480
TCAGTGCTTT	GGAAAGGGTG	CAATTATTAT	TTCTCCTGCA	AATGAATACT	TCCTTTTCCC	30540
TTTTGTTTGC	AGAGGACCGC	GATTCCGATG	TCCGTAAGTC	CTTTTGTTTTG	TCCCGGAGCT	30600
GTGAATCCTC	CAATGGGAAA	TGCAGAATTT	CAGAGTCTGC	CCCAAAAATG	ACCTTTTTGA	30660
GGCTACAAGG	GATGGGAAAA	TAAGGAGAAA	TGTCCTTATT	TATTGATCTC	CTTGTTTATG	30720
TGCAAAACTG	GGTGACTCTT	CTCTGCCGAA	CACGTTAGAA	ATAAGAACAC	AAAATGGGAG	30780
GAAATGGTAT	TTATTCATAT	CTGTTGTTTT	TCTGTTTAAAT	TTTTAGGAGA	ACAGGACATC	30840
CTCATTAGTA	AGTGGCACTT	TGGATTGATA	AGAAATGCAG	CTCCTGGGGA	CGTTTGGGTG	30900
CTGCGATTGC	TGGCACTGCT	GGGGCTTTGT	GTTGTGGTGG	AAGTGGAATT	ACTTCAAAAG	30960
AAGAGAAGAA	TGGAATTATC	TGGAGAAAAA	GGGGAATAAA	TGGAAGTGGT	TGGGAAAAGA	31020
AGGAGGAATA	GAATGGAAAT	ATTGGGGAAA	AAAGTGAAAT	AGAATGGAAT	TATTTCAAAA	31080
AAAATGGAAT	GAAATTTAGG	GAGGGGGAAG	GGGAAGTGGG	ATGGAATTAT	TTGGGGGAGA	31140
AAAAGGGGAA	AATTGAATGA	CTGGGGGGGG	AATGGGGAAA	TAGGATGGGA	GTATTTTAAA	31200
AATACAGAAT	TGTGAAGGTT	TCAGCCCATC	TCAGAGAGTT	TGGTATCCTC	GAGTTCCCCC	31260
TTTGCAACCC	ATTGAGCATC	CTTGGGATGA	CACCAAATTC	TGTTTTCTCC	TTTTCAAGGG	31320
AAACTGTCAG	AAGAGCTCGG	TGAGTTATTT	CCACTTCTTA	CATACAAAAC	TGATTCTGGA	31380
TATTCTTTTT	GTGTGTTTTT	CTGCTTTGCC	TCTTTGTGTT	TTAAGAGGCA	ACTGCAGAAG	31440
GAATGGCACA	AAGGGTGCAG	AGGATCTTTG	GGATAAATAA	CAGGGAAAAC	AGGGATGGGA	31500
TAGCAATGAG	TTGGTGCAAT	AATCTATGGC	ACAAAAGGTG	ACGGCGTGTT	TCACATTTTG	31560
CTTTTTCTCT	TCCTTTTAGA	GGAATTAAGG	GGTCGGGAAG	TTGGTAAGTG	AGATTCCTTT	31620
CCCTCTTCTC	CCCAAAAGGA	TAAGGGGTAA	TTTGGATTCT	GATCTCTTTT	TCTCCCTTTT	31680
TGTTCCTAGA	GGAGAGTGTT	CTGGAGAGGG	GTGAGTATCA	TTCTCTTTCT	ACTGCTGCTT	31740
TTGACTGAAG	GAATCCCCCA	TAAGCATGCT	GGTGGGATGG	GAATTCTACA	TCTGATACAC	31800
AATTATTATC	ATTTCTTCAT	TTTTTATACA	CAGAAATAGA	TAATTTTTTT	CCTTTCTTTT	31860
CTCTTTTCCC	CCTTTTTTAG	AGGAACATGA	TGCCAGAATT	GGTACGTGTC	CATCTCCCCC	31920
TGCTTTTGTG	GTGTCTTCAA	GAAGGCCAAT	GGGGTCATTT	GGGATTGTTT	GGGTTGAGGA	31980
TTGGGTTCCT	GATTGAATTT	GGGGGAGGAT	TCAGGTGCCC	AAACACAACA	TCAGGTCCCA	32040
TCTCATGTTT	TCCTATGGGC	TTGGATCCTT	CTGTTGGATA	CCTAAGAATA	CCTGAAATCC	32100
ATAATATGCC	ATTAGAAGTA	ACACATCCAT	CAATGATATA	TCCATAGAAT	ACAAGAGAAC	32160
GGTCTACATT	TACTTCAGAT	CCCATTTTCA	GGTTAACCAT	GAAAAAATA	CCCAAAGACT	32220
GAATGTCACC	ATTCAGGGAT	CCCGTGTGTA	AAATCATGAC	TTCTGCTTTA	ATTATAAGAA	32280
AAATGAAATT	CACTGTTTTT	ATTCTCTTTT	AAGATGAACT	CTCAACAGAA	GTTGGTGAGT	32340
ATTTTTCTGC	CCTCCAGCAA	AACCAAAGCA	TGCAGTTTGC	AGTCTGTTTT	GGATATATAT	32400
TGTACGTGGA	TATATAACCT	GTATGTTATA	ACACCTCTGG	TTTCCTTTTC	TCCTTCTTTT	32460

Figure 32/

COSMIDE.txt

CCTCAGAAAA	ACGAGAGAGA	AGAATTGGTG	AGTATCAAAC	TTCCCCCAG	AAGTGGACTT	32520
TGGTGTGTTG	GGAAGATCCA	TACCACCACG	TTGGTGCCAA	ACTTAATGGA	AATCCTTTGT	32580
TTTTTCCTTA	TGTTTTTCAGA	TGAACTCACT	GCAGAGCTCG	GTAAGTCGTG	ATTATAACTC	32640
ATAACGAGTT	ATAATGCTAT	TGTTATATAT	AATATACATA	TTATATATTG	TTGCTATAAT	32700
TCATAATAGA	GCAAAACAATC	ACAAGGCACA	GAAATATGGG	TTTGCTTTGA	GAGCCAAACC	32760
TTAGGAAGTG	ATAACACAAT	GGGAAGAGGA	CAATGACCAT	TTCTGTTGTT	CCTCTTTTCA	32820
GAGCACTACA	AGGCAAAAGC	AAGTGAGTGT	CTCCTTCCTC	ATCTTCAGCA	CGTGAGAGAT	32880
TTTGGGGGCT	TTTGGGACGG	CTATGGGGAT	TTACACATAA	TAAAACAGAA	GATGAGAAGA	32940
CAGTTTGTTA	ACTTGAATTC	AAACTGGTTT	GAAATTGGTG	AAATTACAGT	ATAAATAATC	33000
TCCCCAGTAC	CCAATTATAC	AATGGGATTA	ATTACAGCCT	GCCCAGGAAA	GGAGCACTGA	33060
ATTTTTTCCT	GCGTCCATCC	AGCATGAAGT	CCATCAGACT	TAAGCTTACA	GCTTAAAGAA	33120
TGGTTCATTT	TTTTCATTTA	ACCCCTCGT	AAGTTAAAAG	ATGGACTTCA	GCATCACAGA	33180
AGTAGCCAG	AAATAGTCAA	AAAATGGGTC	ATGAATTTCC	AGAGCACCCC	CCCACACTTT	33240
CCTTGGTGAA	TAGGAAAACA	AATATTAAAA	CTAATTAATT	GGTTTTTTTT	TCTTTTTTAGG	33300
AAGATGTTTT	GAGGAACACA	GTAAGTGCCC	TTTTCTCCCT	TCTTTAAGCA	TCACTTTTCA	33360
CTTTAAGTCT	GCATCACAGT	TAATAATCCA	TCTCCTTATT	ATGCATTTTT	AGGGAGAGGC	33420
GAAGAAAAGT	TGGGTAAGTC	ATTTGGTTAA	TTGGGTTTCT	GCTTGCAGAC	CCCATCCAGG	33480
AGCTCATGTC	CTCCTCTTAG	TGTCTGCACT	GTAGAAATAT	CCAGGTTAGA	CGTGTAGGTA	33540
GGAAATACTG	GACCTGCGTG	GAGGTATTGC	AGACCCCAT	TATGTGTAGG	GGAAGCAGAA	33600
CATCAAAC	TTGAGCCTTG	AGCTCCACGA	AGACAAGCCA	CCCTCTTAGA	TTTCAAGCGA	33660
AGTCGAGCTG	AATAGATTTA	ATTCTTTCTT	TCCCATAGTA	AATGTGACTC	TGGACCCAGA	33720
GACGGCCAC	CCTCGCCTCG	TCCTCTCCAA	GGACCAGAAG	AGCGTCCGAT	GGGAATACAG	33780
CCTGCAGGAA	TCCCCCGACG	GCCCCGAGCG	CTTCGACGCC	GATCCCTGCG	TGCTGGGTTG	33840
TGAAACCTTC	ACCTCTGGGA	GGCACTGCTG	GGTGGTGGAT	CTCACAGAAG	GGCAGTACTG	33900
CGCCGTTGGG	GTCAGCAGGG	AGTCCCTGCC	CAGGAAAGGA	GCCGTCAGCT	TTAACCCTGA	33960
TGAAGGCATC	TGGGCTGTGC	AGCAATGGGG	GTTCAAGAAC	AGAGCCCTCA	CCTCCCCTCC	34020
GACCCCACTG	AACCTTCCAC	GGGTTCCCAA	AAAGATCCGC	ATCTCTCTGG	ACTACGAATG	34080
GGGCGAGGTG	GCGTTTTTTG	ATGTGGAGAA	CCAAATGCCC	ATCTTCACTT	TTCTCTGAC	34140
CTCCTTTGGT	GGGGAGCGGC	TCCGGCCGTG	GTTCTGGGTG	GAGCTGGGCT	CCCTCTCACT	34200
GCCCAGATAA	CCCCGGAATC	CCTGGAGGTG	CTGTGGAGGT	GCCTTACAGC	AGCTCTTCCA	34260
GACCGGGGTG	GAAAACTCT	CAGGAAAAGC	AGCATTAAAA	CCTCATTCTC	CCTCTTCCCA	34320
GTCAACCATT	GTCATGCAAA	AGAAAGGAAA	CCCATCCTCA	ATGTCATCAG	CATCCTCCGT	34380
GTGTCATGTC	TGGTGGCCCC	CATTGATGTA	TGGGGTGGCT	CCTGTTGGTG	TCTGGTGCCC	34440
CCTATTGACG	TATGAGGTGG	CCCCATTGA	CGTGAGGTGG	CCCCATTGA	CGTGAGGTGG	34500
CCCCTATTGA	CATATGGGGT	GGCTCCTGTT	GATGTCTGGT	GCCCCCAT	GACATGAGGT	34560
GGTCCCCATG	ACCAGCCCCT	ACCCTGGATC	CAATGCCTCC	TGATTGCAGT	TCCAAACTCT	34620
AGGGACGTTA	AACGACCCAC	AGAGAGGATG	GGGTCCTCTT	TGGTCTGATG	GAGAGAGGTT	34680
GGCACCAGGG	TAAGTCGCTG	CCTACATCAC	CACTGGTGT	TTGTCTCAGC	AGCTGGTGTA	34740
AATTTCTGCC	ATCTGGGCTA	TTTCTGTAGA	AAGCAAAGAA	GCTCTGCTGG	TGGGCAGCTC	34800
ATCTCCCAGT	GTGAAAAAGC	AAAATGCAAC	GCATGCACCC	TGCTATCCAT	GTGGCCATCC	34860
CTCTCCATCA	GCTGTTGAAG	GAGAAATCTG	CACTCAGAAG	AGATTGAATT	GGGCTCAGAT	34920
CTGGCTTGGG	AAGATGATGA	TTCCAACCAG	AGTCCAGGAG	ACTTTGGGGA	ATGCATGAAT	34980
CCTATAGGAA	AATGGATAAC	CCTTCATCCA	AGAGCAAGCT	GGCATGATGC	TCTGGGGTGA	35040
AAACCCATAA	TGCCACCTGG	TTTTAAGGTT	TGGGGTGGCT	TACAATGTGC	AGCTCTGCTT	35100
CCGGCGAGGC	ACTGGGAGCC	CTAAACCCAT	GGAGAGGTCA	AACCAGTGCT	GGAGGTCATT	35160

Figure 32m

COSMIDE.txt

GTGGGCCCAG	CTGCAATGGG	AGGTAGGCAA	TTATGGACAT	CGCTGAAGCC	ACCCCACGCT	35220
CTGGGGAACT	TGGGTTTTCA	CCTTTCACTG	CACTTTAATG	GGATTTCTCA	TCAATGTCTG	35280
CATGTTCTTG	GCCACCTGTT	TAAAAATATA	ATAATAATAA	TTAAATCTTT	TGCCCCACTG	35340
CGGGATGAGC	AGCTGGTGGT	TCCCAGCTCA	CAATAAACCA	CACTTGAGAC	TCCCTGGAGA	35400
ATTCGCTTTC	TTTTTGCAGC	TGGTTCCATG	TGGGGCTGTT	CAGCCCCTCT	GCAGCTCATA	35460
GGCTTTTCTT	CACAGCCTCT	GCTCCACCTA	TTGCTGAAAA	GGGGGAAATT	TGAGATGGAT	35520
CCCATTTTGT	GAACATCTCC	CACCTGTGGG	TAATGCTCAG	ACCTCTCAGC	CCTGTGGGTT	35580
TAATTTCTCT	TTCTGCAGCT	TAATGGGTG	GGGATGTTCA	TTACTGCAAT	AATTAGTGAT	35640
GGGATAGGGG	AGGCAGGAGA	GGATCCAAGC	AGGGGAAAGG	GGAGGGGAAG	GACATACTGT	35700
GTGTGTCTGA	CAGCCTTCAG	ATTAGGATAT	AGAAGCTAAA	GGAGCGGCTC	AGAATACCAT	35760
TCCTCCCTAT	GCCAAAGCAG	AACTGAGGGC	AAAAATAGTG	GTTATTTAAA	AATATATATG	35820
TTTTAATTGA	CTATCAACAG	GGCGAATGGC	ACAAAGGTTG	CATCACGCTG	TGTGGTGGGT	35880
TTTGATGCAA	CTCAAAATTG	CAACTAGGAG	TTCTGTGCT	AAGTGCTAAG	GAAAAATGAG	35940
ATGAAAAATG	AGATGAGAAG	CCGCCCAGCT	GTTTAATTAA	AGCAGTTTGG	TGACTGTCTG	36000
GCTATGGTGA	CTGAAGTAAG	CAAGCACTGT	GCTGCAAATG	CCCCCATCTC	TCCTGGAAGT	36060
CGAGGATATT	TTCCCCTGTG	GCCAATAATG	ACAGAGCATT	TTAAGCCCAA	ATCTTTATCC	36120
AGCCAAATTC	CACAATGGAG	ACACCGATCT	GCAGGGAGAT	TCCAGATAGC	ACATTCTGTG	36180
TTTCCTTAAA	TAGGGCTGAT	ATTTCCCTCT	GTCCCACATG	TGATCCATCT	GAGCTCACAC	36240
AGCCCTTAAA	AATCTGCAAG	GATCTTGTTT	TGCTGCCTGG	CGGTGAGTGT	CTTTTTGGGG	36300
CTATTTGGCA	CCATTTTGGC	AACGGGAGTT	GGCAACGTCA	CCCTGAGTTC	TTCCAGAGTT	36360
CTATGAAAAG	CTTTAAAATC	GGGTTTTTGC	ACTTTTTTCCA	CGATCCACCT	CTAGGGACCA	36420
AGCTGGTATT	GGGGGGGGGG	GGGGGTGTGC	TTTCAGGGGG	GTTTGGGTTC	TGTTTTGGGG	36480
GATATTTGGC	ATATAAAGGT	GGTTTTTACC	TTTGGGATGG	GCCTTGGAAG	GGAGTGTTTT	36540
GTTGGCTGTC	CCGTTGCCTT	TCTTCCTACA	AAGCCTTTCT	TCCTACAGAG	GCTGCACCAA	36600
GGTCTCTTTT	AGCAGATCAC	AAAGAGAGGG	CGCAAAGAAG	GAGGTTAGAA	TTCAAGTTTT	36660
TAGGGTTGAA	ATATGGGTTAG	GATGATTGAG	TCCTTCTCCT	TTGTCCGTAC	CAAGCCTGGA	36720
GATACCAATC	TGAGATGTCA	AACTGCACAA	TGGAGCCTTC	AGTGGGATGA	ACTTCAGGCC	36780
AGATGCCCAA	GAGAGGTGTT	AAGTTTTGGT	TAAAGCCCA	ATCAGTAGCA	ATAGAAAGAA	36840
ATGGGTGATT	CATCCCTTCC	AAAACCTAAC	TTTTTGAAGA	AATTAGGGAA	GAAATCCCGC	36900
TTCCGTGCTG	AACCTTCTG	TATTTTACC	CCAGGGCAAA	GAAGGAGGAT	CGCGAGAGAT	36960
TGGAGACCAC	AGCACCATGG	CCTCTGCTGC	TTCCAGAGCA	AAGGAAAAGG	GAGAGGGGGG	37020
CTCCCACCAC	CCTATCCCAG	AGCATCAGAT	GGGCAATGGA	TGCAGCAGCT	CCGTGGGTCTG	37080
TGGAGGTGGC	ACGTGGCAGG	AGCGAGGACG	GCTCGGAGAT	ACCGAGGTCA	TCAGCCACCG	37140
AAACCATCTC	AGGAAAGGGA	ATTTCCACAC	AAAACCTCCAT	TTGGAGCACC	TGGCAGAGAA	37200
GCTGAAGCTT	TTGGGGCTGG	ATGGAGACAG	AGGGGAGAAG	GAGAAACTCT	GCTCGTGGCG	37260
CAAGAGGACA	TTCCCCTCCA	ATGGACCACG	GGATGATGGA	GGTCCCCTG	GAGCCCCCAT	37320
AAAGGAGTCA	GTGCAGGAGG	ATGTGGTCAG	CCCTGTGTTA	TTCCCTAAAG	CCCTGTTTAA	37380
TCCTTCATGT	CCATGCTGAA	AACTTCTTCT	CTGCGAAGTC	CAACACATTG	CATCTCTTCC	37440
CTTCTTTCTC	CCATCACAAT	ATCCTCCCCA	AACCCCTTTT	TCTTCCTCCA	GGAGCAGATT	37500
CACAGCGATC	TGGAGAACCT	CAAGAAACAA	AAGGAGGAGC	TCTTAGAACT	CAAAAGGAGT	37560
GGGGAGAGGC	GATGCCAAGA	CCTTCTGGTA	AGAAGCTGTT	GCCTTCAAGC	TGGAAAAACA	37620
GAGGTCTTTT	TGGGGTCCAC	GTTGTTGATT	TTCCACAACC	TACAGACACG	GACGGAGGCT	37680
GAGAGGCAGA	AAATTGTGTC	AGAATTCCGT	CAGCTCCGCC	GTTTTCTGAA	GGAGAAGGAG	37740
ATGGTGCTCG	TGGCACGGCT	GGGGGAGCTG	GACAGGGCTG	TGCTGAGGAG	GCAGGAGGAG	37800
GAGGAGGCCA	AGGTGGAGGG	GGACATTTCT	CTCCTCGGCA	TCCTCATCTG	TGAGATGGAG	37860

Figure 32n

COSMIDE.txt

GAGAAACTCA	AGCAACCCAC	ACGTGGATTG	CTACAGGTTG	GATTCCTACG	GGTTGGATTG	37920
CTATGGGTTG	GATACTCCAT	TGGACCCTCT	CCCTTCTTGT	CCACCTTCTC	CAAAGCTGGG	37980
GGAGATTGAA	CCATTTTTTC	CTATCTCTTT	CAATTCCAGG	ATGCCAGAAG	CACGCTGAGC	38040
AGGTATGTGC	TCCTTCAACC	TCATTCAACG	GGGTGGAAAG	GGTTCCCCAT	CCCCACACCC	38100
ACGGATTCTA	GCACAGAAAT	GAGAAATGCA	TGTGATTGAG	GCAAGGTTGG	AAGTCCCATG	38160
GGGGTCAAAA	AGTGCCTCAG	TGTAGGAATG	GCCCAAGAGA	AAGACCTCGT	GGCCATTGGG	38220
GCGACCCAAG	GGACCGCATT	CTGTACGGAG	CAGGTTGGCA	TCCCCAAACC	TGTGACAAAG	38280
GGACATTCTG	GAGCCAACCA	CCTCAACCTC	CATCCCCACA	TCACCAGAGA	TCCCCACACT	38340
CATCACCACC	AGTCCAGCA	CTGATGAGAT	TTGTGTCCAG	GTGGGAGAGG	GGCAGAACAC	38400
GAAGGATGAC	AGAGAACTTT	GCAGACGTGG	AACGGAGGCT	CTGTGTCATC	TCCCAGCAAC	38460
ATAAAATCCT	CAGGGAGACG	TTGGGGAGAT	TCCAAGGTAT	TGTGGACCAC	AGTATTCCTA	38520
CCACATAGGA	TTTGCTTTGT	ACTGAAGGTT	GGGGGGTTTT	TTGGTCGTTT	GAATAGGAGT	38580
TGTATACACT	ATTGGAAAAC	AATTTGCATT	AACTCACACT	ATCAATCATT	CTTAGGCCTA	38640
AGAGCATCTG	TTTTTTTAGGA	CCAAATCCCA	CAGATCCCAC	ATAAAATCCT	GCACAGATAT	38700
CCATGATAAA	CATGGTGGGA	ACTGAAGCAG	GCAGATGTGG	GACATGACAT	CCAACCTTCT	38760
GTTTCATCCC	AGATCTTTTT	CTATCTGAGC	TGGAGAAGGA	GGAGGGAGCA	TCTGTAGGAG	38820
AAGAGGGAAA	AGGTGAGTCC	TTAAAGCATT	TTCCTTTTGC	TCCATTGGTC	ATTTTTTTAG	38880
CCAAAATACT	GCGTCAGAGC	ATCTGGAAAA	TGATGGTTTT	GAGCTCATTT	CTGGTTTCCT	38940
AAAGGTGATA	TAAAGAAGCT	TTCCTATATT	TCAGCAAAGG	TTTTCTGAGC	TGAAAAATAT	39000
GGAGACATCG	CTGATCCCAA	AGTAGATTTG	GGGTGCTGTT	CCAGCTTTAG	GGTGATGCTC	39060
ACCCATTTCT	TCTCCATCCC	CAACAGCGTT	TGTCACCCTG	GACCCACCA	CTGCCACTGC	39120
AGGGCTCGTC	CTGTCCCGGG	ACCGACGTGG	GGTGAGATGG	ATGGATATGG	GGCACAACAT	39180
GTCCCCTTGT	CCCCAACGCT	TCGATGTCTC	CTGCTGTGTG	CTGGGCTGTC	GAGGCTTCAC	39240
CTCAGGGTGG	CACTTTTGGG	ATGTGGAGGT	GATGGGTGGT	GCCACGTGGG	CACTCGGGGT	39300
GGCACGCAGC	TCTGTGCCCCA	GGAAGGGTTG	GCTCACTTTC	CACCCCGATT	ATGGGATTTG	39360
GGCTATGGGA	TGCTGTAGGA	ACAGCTTCCG	AGCTTTCACA	TCTCCCCCAT	CC	39412

Figure 32o

D12FOR.txt

GGGGGGCGAT	ATGGGTGGTG	GGACATGAGG	GGGCCGGGGG	GGGTCGGGTC	TCACCCGCCA	60
GCAGCAGCCG	CAGCCCCGCA	GCCATTGCTC	TCCGCTGCTT	TCGCTTTCGG	CTCCGCTGTG	120
GCCCCACCCC	CTCCGTCACT	TCGTCAATAT	TAATTTTAAA	TCCCTGAAAC	CCATTAAAAA	180
AAGGGTCGGA	GAGGGAAAAC	TCATTCAGGA	ACAGTGTGG	AAGAGGGGAC	ATGGGTGGGA	240
CAACCCGGCT	TTCCCCACAG	GCCGACCTAA	ACACAGCCAC	TGCCACCCAC	CCCGGATCCA	300
TGGGTGACGT	AAGGATGAGG	TTCCAGCACA	TATTGGACCC	TTCTGCGTTT	GCATGG	356

Figure 33

E1REV.txt

GTGGGGGGCA	GCGTCCGCGC	TGACCTCGTC	TCGCTGTGTT	TCAGGGCGCC	CCGTCGCCGC	60
CGCTCCAGGT	AACGTCCCGT	TCCCATTCCC	GTTCCCGTTC	CCGTTCCCGT	TCCGCGCTGC	120
GCGGAGCGGC	CCCGATCCCG	GCGCGGGGCT	CAGCTCTGCC	CGTCTCCCCG	CAGGGATGCT	180
GAATTAGCTG	CTGCCCCGCC	GAGCCGCTGC	ACCCGCACCC	CCCGCTCTCC	CGGCCGTCGC	240
CTCGGCTCTC	CCTCGGGCTG	CCACCGCGTC	CGTTGGAGAT	GTCGCCACGA	TGCACGCTTC	300
GTCCCCATCC	TAATAAACGC	GCTGACTTTG	ACCCCGCTGT	TCGCTGCCCC	TGAATCATTG	360
GGGACTTTCC	GTCGCGTGGG	AGGAGGGGAG	GGAAGTGAAA	GCTTCGTGGA	GAAGTAAACC	420
CAGCACCCTA	TGGGTCCCAC	GGGACGTGGA	TTGGTGGGGA	TGGGGTGGGA	TTGGACTCTT	480
GGTGGTCATT	TCCACCCATA	GGGAGCTCGC	GGCCACCCAG	TGGTCCTCAT	ATAGACTCCA	540
TGGTCACACC	ACTGTCACCT	TTTGGTCACC	CCATGATCCC	TGTGTTACCC	TCCGGGGTCC	600
CTCAGTGGTT	ACCCACGTT	CCCCAGAGG	CTCCTCCTGT	CGCCTTCATC	ATCTCACCCC	660
ATTGACCACA	TACCCCCCTC	CCCCTATGGA	TAACCCAAAG	CCATCACCAG	TGGTGTTGGG	720
ATGCAAACAC	GGGGCCCCCG	ACCTGTCCCT	ACAAGCACAG	GGTGGTGACA	CAGCCCAGAC	780
AGTGATGCTG	TGTCATTTGT	CACCAGGCAG	AGGACACACA	GCCACAGCCT	GGCTCAACTC	840
GAATAATATT	TTCTTTATTT	ACATGTTAAA	GAATCGAAAG	GTTGGAAACA	TACAGTAAGA	900
TGAAACACG	GCTCTAAGGG	TCTAACAGTG	GGGCAGGAGG	GTGGGGGGGA	GGAAAAAAA	960
GAAAAAAGG	AAAGAAAAAA	CCAAAACAAG	TAGAAAAAAA	ATGATACAGT	CAACGTAAAA	1020
AAGGGGTGGC	CCTCCCTCCC	CCAGTGGGAA	CATGCGGCGC	TGCGTGCCGG	GGGGTTTTAT	1080
GTACAGGGGC	CGGGCAGCTC	CAATAAATTA	AAACCTCCAA	ATACAATGAG	GGGGGAAGGG	1140
GGGGTGACAG	GCCCCTCGCT	GGGTGGTTTT	CCTTCTTTAA	ATGCTTTTTT	TTTTTTTTGT	1200
AATTTTTTTT	AATTTTTTTT	TTTTAATTTT	TCTTAAAAAC	CCCAAACCTT	TTTCTCCCCC	1260
CCCCCTTTT	TTTTTTTTTT	GAAAAAATCC	CACGAGTCAG	GAGGAAAAAA	AAAAAAAAAAG	1320
CCAACCCTAA	CACAACAAAC	AGTAAAACCT	GCTGGGGGGC	ACCGCCGACC	CCCCCTTGTC	1380
CGACCCACAC	GCCCCACACT	GCCCTGGGGA	CGCTCGGGGG	CCTCCGGTCA	CACCGGGACC	1440
CCCAGCTGAG	TCCATGGGGC	GTCCCCTGGG	CTGCTGGGGG	GCTCTCGGTC	TGCTCCATGC	1500
CGGCCCGGTC	CTGCAGAGCC	GCTCGGGATG	CTGCCCCATG	TGGTGCTGTG	GGGTTTAACC	1560
CGAATCCGAG	TCGCTGGTGT	CCGAGGACGA	GGAGCTGGAA	CTGGAGCTGC	TGGAGTCGGA	1620
GCTGGAGCTG	GAGGCGCTGA	GCCGTGAAAC	AGCCACCTGC	TGTGCTGACT	CGGGCTTCTC	1680
GTTGGCTGCA	ATGGGACAAC	ACTGCGCTCA	GCATCACCAC	AGATCACACC	CCAATCCCAC	1740
TCCAGACCCC	AACTCACC	TTTTTTGGGG	GTTTCTTGGC	TGAGTTGAGC	TGCCCCGCTGA	1800
CGTCCTGCAG	CCGCTTCTCC	AGTCCCGCT	TCTTCTCCAG	CGCCAGTTCT	TCTTTCGTCT	1860
TCCCCACCGG	CTTCTTCATG	GCTGTGAAAT	TCAGGTTTCA	CCCCACACCA	TCCCACCTCC	1920
ACCCAGGGC	CGCCCCCTGA	ACGCAGCCCC	CCACTACTC	TCGCTATAGG	GTTTGCGGGG	1980
TTTCTTCCGC	AGGCAGGACA	GCACGTAGCG	CTCCAGCTCA	CGCAGTGTGG	AGGGTTTGAG	2040
GGTCTCGAAG	TCGATCTCGA	TCTCCTCGGG	GTTGGAATCA	CGCAGTGAGG	GCTCCCGGGA	2100
CTGGATGATG	TGCACCACAC	GGCCCAGCTT	CTCCCCGGGC	AGTTTGTGTA	TGTCCAGGCT	2160
CAACTGCCTC	TTCTCATCGT	ACGTCATCGG	TTTGCTCTCC	TCTTCCTCTT	CCGAATCGTA	2220
GAGCGTGGGC	GGAGGCGGCA	GCGCCGCTTT	TGCTGCTTTC	TTTGAGTTCC	TGCAGGAAGC	2280
AAAGCACCAT	CAGGAAAATG	AACCTCAGGA	ATCACCCAC	AGCTGACCAT	CATCCCCCAA	2340
AAAACAGCCT	AGACTCACTT	GGAGCTGCCC	CCACCGCTCC	CCCCGCCGCC	ACCCTTCTTG	2400
GCTTTGCGGA	GCTGTGCCTG	ACGCGCCCCG	CTCTCTTCAT	CTCCTCCTCG	CCCTTTGTGC	2460
TTCTCCGATT	TCTTCTTTTT	CTTTTTCTCC	CGCTTCTTTT	TGGGTTTGGA	AACGGGGCCC	2520
TGTGAGAGGG	CAGCCAGCTG	CTCGTGCACG	GCCCGCAGCT	GTGGGGGGAG	ACAGGGGGTG	2580
AGGCGGGCAT	GGGGAGCAGG	CACAGGCAGC	AGCACCGGCC	CAGCTCCGGC	CCTCACCTGC	2640
TCCTGCAGCT	CTGCCAGGCG	GTTGGCACGT	TCCTCTTCCG	AGTCAGAGCT	CTCCTCGCTG	2700
TCTGATGAGC	TCTCACTACT	GCTCTCATCC	TCATCATCAT	CCTCATCATC	TTCATCTTCA	2760

Figure 34a

E1REV.txt

TCATCCTCAT	CGCTGGAGGA	TTCCTCGGAG	GAGGATTTGG	AGAGGGCTCC	AAGCAGTGGG	2820
GCAGACACTG	AGGGTGGGCT	GGCGTCCTGC	GGCTCATCAG	GCATCTTGGC	GTAGCTGAAC	2880
TCAAAGACAT	CCTGAGAGAG	AGGACACAGA	GGGGTAAGCT	GACTGGGCTG	GGGGTTACGG	2940
GGCTGCTGGG	TGACCCCAACC	CACCTGCAGC	TTGCGGGCCA	TGGCCACCAC	ATCGTGGTCG	3000
GGAGGGTTGT	ATTTGTAGCA	GTTGGAGAAC	ATTAACCGGA	CATCAGCGGC	AAACTCCTGT	3060
GCGTCATGGT	AGTCCCGGTT	CTCCATCTTC	CGCTGTGGGA	AGGGAAAGGC	GTGAGCAGAC	3120
CTCAAAGCCA	CCCCACAAA	GCCCCATGA	GGCTGTGCCA	AGGCCACGG	AGTCCCCAAG	3180
CGAACCTTGA	TGGTGCTGAG	GTCCATGGGG	TGTTTGATGA	TCTCGTGGTA	ATCGTGCAGC	3240
CCCAGCGCCG	AGGCATCGAC	CGGCTTGTA	AAGGGCCATG	CGTAGGCAGC	GTGCTTCTTG	3300
GAGAGCAGCT	CCTTCAGAAT	CCCATTGCAG	TATTTGAGCT	GCTCCGACAA	TTTGCCCTTT	3360
TTGGAGGTCT	GATGCTGCTG	GGAATCCGGC	AAGTCCTTCT	TGGGGGGTTT	GATGGGGCGG	3420
CCGCTCTCAC	GCCGTGCGGG	AATTTTGGCC	GCCTTGCCCT	CCAGCAGCGT	GGCTGACGGG	3480
GAGGATTAC	CGCTGGTGGC	TATGATGGCG	GTGGTGGTAG	GGGTGGTGGT	GTCTGCTTTC	3540
CGCTTCACAC	CCTTTTTCTA	CCAAAATACA	GAAAGGTTGA	TGAATGGGAG	GCCCAGCACA	3600
GCCCACAGAG	CCTCCTCCCG	TGAGCGAAGA	GCTCCCATCT	CCCACCTTGG	CCACGGGTTG	3660
GGTGGGCGCA	GGCGCAGTCA	GCACAGCCGG	GGCAGTGGAG	TGCAGCGACT	TGAGGAGCGG	3720
AGCGGAGATG	ACGGACGGGT	GGGGAATGTT	GACAATGGTG	GTGGCGATGT	CGGGGCTTGG	3780
GGTGTACACA	GCGGTGTGGG	ACACAGAGGA	GACAGCTGGC	ACTTGCTGAG	CCGCTGTGAG	3840
ACCTGCCAGG	AGCGCTGCGG	ACAGGCAGAA	CCCCATTAG	CACCAAGGTA	CCTTCAGTGC	3900
TCTACCTGAA	AGCGCAACCC	AAAGAACCCC	AGGTACCTGC	TGCCC GCGAC	GCTCCCTTCT	3960
TGTGGCTGTT	TTTGGCCACT	GGGACCACGA	TCTCCTGCTC	TTCTGGTGGC	ATTTGGGCCA	4020
CCTTCTGCAG	GAAGATCTTC	TCCAGGGTTT	GGGCCATCAG	CACAATGTCA	TCTGTGGGCT	4080
ACAGGGACAA	CCGAAACGTC	ACAGGATGCA	GAGATGGCAT	CAAAGGCCTC	AAAGCATCCA	4140
TGCTGCAGTC	CTCACCTTGT	TATAGATATA	GCAGTTTGTG	AACATGGTGT	TGAAGTCCTG	4200
CATGCACTCA	GCTGCCCCC	AGTAGTAGTT	GTTCTCCAAG	CGCCGTTTGA	TCGTCCCCAT	4260
GTCCATGGGC	TGCTTGATGA	TCTTGTGGTA	ATCCTGCATA	GGGGATGGAC	AGTCAGCGCC	4320
GTGTTGGTAA	CCACACTGCA	CCCCTCCCAG	CCCCAGAAGC	AGTGGTTTGG	GGTTTTTAGG	4380
AGCTCAACAT	CCCCCAAAGT	ATCAGGACGT	TGACACGCAC	ACAGATCCGC	TCTCGCACCA	4440
TGCATCAAAA	GCAGGGCAAA	AGGGTGCAAA	GGGATGGAAA	AACACCTCCG	GGTCTGGTCC	4500
CCGCCCGAGA	GTGCCACCGT	GCTGCTCTGT	AGGGGACCTT	CAGGTGCTCT	TGTGGGTTGC	4560
CTACGCTATA	GGGACAGCCA	AAACACTGCT	GTCCACAGCA	TGAGGTGCAA	TGGGGGCCAC	4620
TAATGCTAAA	GTAAGAGCAA	ACCTATGTGG	AATTTACCTC	TGGGCTTTAA	ATCCTTGGGC	4680
GCCACAGGTA	CACAGGGGGC	TGGCGTTTAA	TATTGGGGTC	ACAAGATGTC	TTCTACAAAT	4740
TCATGGATGG	GAATCTGCAA	AACGCATTCA	GGGCACAAGA	GATTAGGTGA	GGAAACATCC	4800
GGGTTCCCTC	TAGAGCAGCT	GCGTCACCTC	ACCCATACCC	GTGCGGTGGC	ACTGGGAGGG	4860
GACAGCAGCT	CTGAGGACAT	CAGGTCACCT	ACTGGGGGGG	CTTCAGAGCC	TGTGGAGTTG	4920
GGATTATGCC	CCTAAGAGAG	GGCGAGGCCA	GCACAGCCCA	GGCACCTGCA	GCTGCATCTC	4980
TGTGGTGGAG	CCCATAGAGG	GGACAATGCT	GTCCCTGTGG	CACTCTCAGG	CTGGGGACCA	5040
CGGCTCGGGG	TGGCCCTCAG	CACCCAGGGG	ACAAGTCTGG	GGACACACAG	CCATGCTGGG	5100
GGACCCACAG	GAGGGGACAC	GTTACCGGCA	GACCCAGCTT	GACGGCGTCG	ACGGGCTGAC	5160
GGAAAGGCCA	AGCGAACTGG	TGCTTCCACA	GGGCTTTCAT	CACCACTTTG	TGCAGGTA	5220
GCAGCTGGTT	GGTGACCCGG	CCGGGCTTTT	TGGGGTTTCA	GACCTCTGGC	GGAGGGGGGT	5280
TCGCCTGGGG	GGTCTGTAGG	GCCGGCACCG	AGGCCATGGT	GGGGCTCTCG	AAGCCCTCGT	5340
AAAGCAGCGA	GGGTTTGGCG	ATGCGTTTGC	CCGGGGTCA	TTCCGTGCGC	AAACCCATAA	5400
GCCCGGCATT	TCCCTCCCCC	AGAATCCTGC	AAGGGAGCAA	AAGACAACAT	CAGCAAGGAT	5460

Figure 34b

E1REV.txt

GGGGCCAGCG	TTCCACCACC	AAGGTGCACA	AGAACAGCTC	AAAAAAAGGC	AAAAAAAGTA	5520
ATCAAAAAAA	GGAAGGTTGG	AGCAAACAAA	GAGTCAGTGC	AGGGGGTGAC	ATCAGGGCCC	5580
AGCAGTTTCA	CCACCTCGGG	GTACGACAGC	CTGCACTACA	GCATGACAAG	GCAGCACCCA	5640
AACACTGTGG	CCCTCAGCTG	GATACACAAC	AGTGGGCTCC	AAATGTCTGG	GGACGGGGGC	5700
AGAATTATTT	AAGTGGGGAA	AATGAGGATT	TAAGCAGCTG	GGAGAGGTGG	GATGTCTGCA	5760
GCGTGAGGAG	AATTTGTCAC	CGGGAAAATA	CGGTGAATGT	CGAGCACTGG	GGCTGCTTTC	5820
TCAGGCAGCT	CCCAGGGTGT	TCCCCATCCT	GCCAAGGACG	TGGTGGGAAT	GACAAGGAAG	5880
GAAGGTGACA	GAAGGACACA	GCGGCCCCAG	TAGTGGCGGT	ACAGGGTGGG	AGGACACGGT	5940
GAGACCCCTC	AGCATGGTGA	CAGTGTCCCC	GAAAGCAGCT	CAGTCAGCAG	AGGTGGCAGC	6000
AGGGCCCTAA	GGGCCCTTGT	GATGCTGACC	CCAAGGACCA	GGGGTATGAG	GAGTGGATAA	6060
ATGGGGGTGG	CCCAGACAGG	ATCCATGGGA	AAACAGGGCT	GCCAGGTTCC	CTGTAGGATC	6120
TGTGTCCCTG	CATCCCTGAC	AGAATTCACA	TGGACCACGG	GGCTGCCGAG	TCCCAACATC	6180
CCTGAAGGAC	CCACAGAAAT	GGGAAGTGGA	TAAATGGGAA	CAAGCAGCAG	ATCAATGGGA	6240
CTCAGTGACC	CCAAACTCAG	AGCTCTGTGA	CAGAAAAGCC	CCATAACTCT	GGTGGACATC	6300
CACACTGCAC	CCTAATCCCT	GGGCAATGAA	GGGATAGCAG	CAGGGAACCA	CTGTGTCCCT	6360
GTATCTCTGA	CCCCAAAGAA	TCCATGGAGA	TGGGGAATGG	ATAAATAGGG	ATGGCTCTGT	6420
AGAATCCGGG	TCCCATTCCC	CTCAAATAAT	CCATGGGAAT	GGCACTGTTG	GATGCATGGC	6480
CTTGAGTCCC	TGTCCCTAAA	AATCTGTAGG	AATGACTCTG	TGCTATGCAC	CTCCCCGTGT	6540
CCCTGTTAGG	ATCCATGGGG	ACAGCAGGCT	GCCAGGTCCC	CTGTATGATC	CACAGCCCTA	6600
AAAGCAGCTT	GGTCAACAAA	TGGGAGGGAA	CAGCGGGTCC	CTAAAGAGCG	CCAGGTCGCC	6660
ATGTCCCTGT	CCCCAAAGGA	CCCACAGGTA	CAAGGAACGA	ATAAACAGAG	ACAAGGAGCA	6720
CTCAGTGGA	TACAACTGAT	GTCAGGTGCA	GAGCCTTTGA	ACACAGAAGC	CCCATCTCCC	6780
CATAGGATTC	AGGTCCCCAT	GCCCCTGTTG	GAACCATGGG	GACAGGGAGG	CTGATGGATT	6840
CCCTGCAGGA	CTGAGTTCCT	GTGTCCCTGA	CCCCGAAGAA	TCGATGGGGA	CAGAGAGTAG	6900
ATAAACAGCG	ATAGCCCTAT	AAGATCCAGG	TCCCCGCGTC	CCTGTCAGGA	TCCGTGGGGA	6960
CCGTGGGGCT	GCCAGGTCCC	CACGTCCCCG	TCCCCAAGCA	ATCGATCCAC	GGGGATGAGG	7020
AACACATAAA	CGAGGACAAC	CGGCATACAA	ACGAGATCCA	ACCGGCCCCG	GGTGGAGCAC	7080
CGGGACGCGG	CAGCCCCATA	CCGCCGTCCC	CGCAGCAACG	CCATCCCCGG	TTCATAACTG	7140
CCAACACCCC	ACAGCCCCCC	CCGGCCCCCA	TTCCTGCCCC	TCATCACCTA	CTTGCTCTGG	7200
GGATTACAT	TCTGCAGCAT	GCCGGCGGCT	GCGTGCCCGG	CCCTGGCTCC	CGGCCTTCCT	7260
CCTCCACCTC	CTCCTCCCCG	CGCCGCCTCC	TCCGACGTCC	CCCCACTTTT	GCCCACCGAG	7320
CAGCGCCCCG	TAAGGCAGCG	GCCCTCGGCC	GGGCATGAGG	CGGCGGCTCC	GGCCGGGCCC	7380
CGCCGCGCGC	CCTCACATCA	GCGGAGAAAA	TGGCGGCGGG	GCCTGGATGG	AGAGGGGGGA	7440
CCTTCCTGCT	CTCCGCTGCG	CACAGAACCC	GCCGCGACGC	CGCCGATATA	GAGCCGGGAA	7500
AGCCGGTAGG	AACCGGATAG	ATCCTCGGAA	GGACGGTGTG	AGGCGGATGG	AAGGCGGACA	7560
GAGGGCGGAT	GGAGGCGGAT	GGTTCAGCGG	GAGGGCTCCA	TCTTGGCTCG	TAGGCCCCGA	7620
AGAGGAATCG	GTGCCGCGCG	CCGCAGGCAG	GGGTCGCTAC	GGAGGCCGGG	GAGGGTCCGG	7680
TGGAGCCGTC	CGGGAGCGCG	AAGGCGGGGG	CTGGGCCCGC	CCGGTGGAGG	ATGGAGGCGG	7740
ATTGGGGCCG	CCCCCAGCG	CGCGCCGAGC	CCGACCCGCA	CCGTCCCTTC	GTCCCCACGA	7800
AATGGCGCCG	CTCGGCCTGC	CCCCGGCCGC	CCTTATATAG	ACACCACCTG	GGTGCTGATT	7860
GGTGGGTGGA	CGCGCTGACG	TCAGCCACCC	GCTTGACCCC	GCCCTGCCGC	TGCCTCATTG	7920
GACGGCGGTG	CTCACC GCGC	AGCGCTCCTC	TTGGCCGCCC	CGCACGCCAC	TCACCCGCGC	7980
CGTCCCCCCC	CCGCCCTTCC	GCCCGGTACT	GCGACGGTCA	TTGGTCGGTG	CTGCCATTCC	8040
CGGCGCGGCG	ATTGGCCACC	ACGGATCACG	TGAGGGCGGC	GCTGTTGGCT	GTTGTTGTCTG	8100
CGCGCGAAGG	TGCAGAGGGA	GGGGGAGGGC	TAAGGCGGGC	GTCGCCATTT	TGTGTGGCGG	8160

Figure 34c

E1REV.txt

CGGCCAACGG	GCGCGGGCGT	CCCGGGGGTT	CGGACCCTCC	GCCCAAAGGC	TCCTCAGGGG	8220
GCTCAGCAGA	CCCCAGTCAG	TCCCTACGGG	GCTCGTGAGG	CTCTCCCAGC	CGACAGCGGC	8280
CATCGGGCAG	CGGAGCCGCG	GCGGTCCGCG	AGCCGCGGGC	TGAGCTGTGG	TGAGGTAGTG	8340
AGCTGGGTCC	CGGGGATCCT	GAAGGGTCCT	GAGGTAATCG	CGGCCCTCAG	CGCGGTCCCCG	8400
GGGCCTTCAG	TGCCACCCCA	CGGTGGTACT	GGGGCCCTCA	GACCGTCCCC	TCCCCCACTG	8460
CCACGGCGAT	CCGGAGGGGG	GGGGTCCGAG	GCCGCCCCGT	GTCTATTTCGG	AGGTGCTCTG	8520
TGCTCTTCTT	CCCCACGGCA	ATTCTGGAGG	GCTCACAGCT	ACTCCAGAGC	AGCCCCATAA	8580
CCGTCTGGG	GGCCTACTA	CCACCCTACA	GCAACTCAGA	GCCTCCCCCC	ACCCCCCAA	8640
AAAAACAATC	CTGGAATCCC	CAAGGCCATC	CCACACCAAC	GCTGAAGGTC	TCAAAGCCCC	8700
CCCTCCCCCA	CACACACCGG	TTCTAGGGTC	CTCAGAACCA	CCCCACAGCA	ATCCTGGGAC	8760
GTTCCACAGC	CCCTCCGTAG	TAATCTTTTA	GTTTCTCAAG	GCCAACCCGT	AGCACGGGGG	8820
GCCTCCGCTG	CCTCCCCCTG	TGGCAATCCT	GGGGGGCTCA	GTGCCACCTC	ACAGGAATTT	8880
CGGGTCGCTC	AGAACCTCTG	CAAAGCAATC	CTGGGGTCCT	CGAGGCCACC	CCACACCGAT	8940
CTCAGGGTGC	TCAATGCCAC	CCCACAGCTG	CCCCCGGGGC	CGTCACAATC	ACCCACACC	9000
AATCCTGAGA	AACTCAGTGC	CACCCACAG	CCAATCCCGG	GGTGCCCCAT	TGCCTCTCTA	9060
AAGCCTCCAC	CCCAATCCGG	GGGTGTTCAA	TGCCACCCCA	CAACCCCCCT	CAAAGCACTC	9120
CTGGATACCC	CACGGACACC	CCAACGCCCT	AAAACAAATC	CCAGGGCGCT	CAATGGAACC	9180
TCCCGCGCAA	CCTCGGGCTG	CCCCACGCCC	CCTCCAATC	AAGCACGACC	CAGAGACCCC	9240
CCTTTTCTCC	CAACCCCTCC	GGCCCCACAC	GCCAAAGGCT	CTCAAAGACC	CCCCCCCAGC	9300
GATCCCGGAC	CCGAACAGGG	CTTTGGGGTC	CCCCCACGG	CGCTCCCGGT	GCCGCCCCCC	9360
CCCGCCCCGT	GACACAGCAC	TTTGGATCCC	CGCGGGCCCT	CCCCGCCGCC	GCCCCCGCGC	9420
GAACACCCAA	ACATGGCGCT	TTTCGCCCCA	AAAGCGCCGG	GCACAAAGCG	GCGCCGCCCA	9480
TTGGTCGTCT	GCCCGCCGTC	CTCGCTTCCC	ATTGGCCCCCT	TCGACGGCGG	AGGGGCGGAA	9540
CCAGATTTGA	TGGACAGCTC	ATGCTCACGT	GTCCTCCCCC	CCCCCGATT	GGGTCTTTTT	9600
GGTTAAAAAA	ATAAAATAAA	ATCATAAAAA	AAGGGCGAAG	TTGCCCATC	GTCCTCACC	9660
TGAGCCGCTC	CCACGCAGGG	CCACGACCCC	CAACCCGATA	TCATCCTCGC	GTGCCCCCT	9720
TAAAGCCCCG	TTTTTGGGGC	AAAAAATCAA	AAAAAACATC	CCAGGGCAGA	AAAAGGAGCC	9780
ACGCGCTACG	TCAGCTGCAC	CGTGATTGGC	CACCCGCCGT	CACGTGACGG	CCCCGCGCCA	9840
CTCCGACGGC	CCCATTATG	GAGCCCGGGC	GGCTCCGCGG	GGTCCTATCG	CCGCTCCGGA	9900
GGGGGTGATG	GCGCGCATGC	GCAGTGCAGG	GGGCATGTGG	TGGGGGGAGG	GAGGGGTGGG	9960
GCTGTGGGGA	TGCCCCGTGT	TGCTGGGGGG	CTGCTGTAGG	GTTGCATGGC	ATTGCGAGGA	10020
TGCAGCCATG	AAGATTACAG	GCATTGTAAG	TGTGCATCTG	TAGGGGCCCC	TGGCATTGCA	10080
AGTGTGCACC	TATGGGAGTG	CCCGGCATTG	CAAGGGTGCA	CCTCTGGACG	CGTTTGTCTAT	10140
TGCAAAGGGT	GCAGCTGTGG	TGGTGAATGG	CATTGCAAGG	GTGTATCTAT	GGGAGTGTAC	10200
AGCATTGCAA	GGGCGCACCT	ATGGGTGTGC	CTGGCATTGC	ATGCATGCAC	GTGTGGGGAT	10260
GTATGGCACT	GGGGGGGTGC	ACCAGTGGGG	GTGCTTGGGA	TTGCAAGGGT	GAGCCTATAG	10320
CAGTGCCTGG	CATTGCAGGG	TTGCACGCAG	GGATGCGTAC	GGCATTGCAG	GGGTGCAGCT	10380
GCCGGCATTG	CAGAGGGCCG	AACCCGCCCG	TACGGTTGTG	CAGCGCTTCC	AGCTCGGAGG	10440
GCGCATTGCA	GTGCGGTGCA	TTGCAGTGCG	AGGAGCCACT	GCTGCAGGGT	GTACAGTGCA	10500
CGCCCCGAGG	ATGTCCCCTC	GGCTCCAAAC	CCCAAAACCC	CACGCTTATT	ACCCCCAAA	10560
AACATACTTT	TACACACAAG	ACACATTTTT	ACCATCAAAC	CTCACGCTTT	TCCCCCAAAA	10620
TCCCTCACAA	AAACAAAATC	CGCGCCGTGA	TGAGACACCC	CAGAGATCTA	CGGAGCCTAC	10680
TCGTCCCCTG	CTTCATTAAT	TAGAGCTGCT	TATTAATTGC	TTGCGGGTGG	CTCAGCGCCT	10740
ATTACAGCGT	CGGGGCTCCC	CGCTAGTTTC	TTCTATCTAG	TAACAAGTGA	CGCAAGGTAA	10800
CTGCGGAGCG	CGGCCATTGG	TTGAGCCGCA	CGATCATCTC	CTGTCACAGC	GCTGGTGTTT	10860

Figure 34d

EIREV.txt

CCCGCAGATC	TGTTCTGCCT	AGCAACCGAT	GACGCGTAAA	GCCGCGAGGC	ACGGCCATTG	10920
GCTAAACTGG	TTGCCGGTAG	CAGAGGGATG	GGGGCTGCGA	GCGGGCGCGG	GGCGCTCGTG	10980
GCAGCGCTGC	TGGGGGCGGC	CCTGGGGAGC	GTCAGAGCCG	GTAGGGGACG	AGGGCGGGGG	11040
GCGGTATGGG	TGGGCACGGG	GTAGTGCCAG	GGGTGTCCAA	GATGTGTGCA	TGGGGAGTGC	11100
AAGGGGCTGT	GCAAGGAGTG	AATGATGCAC	TGGGGCAAGG	GGTGGGCATG	CACTGGGGCA	11160
AGAAGTTGTG	CAAGGGGTGT	TTGTGCATTG	ATGCAAGGGG	AGGATGAGCA	GGACTGTGTT	11220
TGCATGCATG	CAGGGGGTTG	TGCATGGTGT	GATTAGTGCA	TTAGTGACAG	GGGGTTGAGT	11280
GTGAGATGTG	GAGTGTGTGC	AGTTGTGAAA	GGGTTGCCAT	GCACGAGCTG	ATGTGCGCTC	11340
AGTGAGCGTG	CACGCAGCCT	GCAGAGTGGG	TACACCTGCA	ACGAGCATGC	ATGCAGCAGA	11400
TGTGTCCATG	CACAGTGTGT	GTGTGTGCCT	GGTGTGTCCC	CATGTCCCAC	GCCCTGTCTG	11460
TGCCTGCAGA	GCCATCGCTG	CACACTCTGT	CTGAGGTGCT	CTTCTGCCAG	CCGGACACGC	11520
CGTCGCTGGG	GCTGTCAGTG	GCCTTCGACT	CAGAGCAGCT	CTTCTCATTC	GATGTCCCCA	11580
ACTCGCAGTG	GCTGCCGCAG	CTCCCCGATG	GCCCTCGTG	GCCCGCAGAC	ATCGAGCAGC	11640
CCCACGAGCT	GCTGCACGAC	GCCGCGCTGT	GCCGTGAGCT	GCTCGATTG	CTCACCAGAA	11700
TCGCCACCGG	GCCAAACCCA	ATGCCTGAAG	CCAAGGGTGG	GTGCTGCTGT	CCCCGCTATG	11760
ACCCCACTGA	TGGGTCCCCA	GCCGTGTGTT	CCCAGTGATG	CTGACCCCAA	TGGACATCCC	11820
CAGTTGATGC	ATCCCCATTG	ATGCATCCCC	CACAGACATC	CCCATTGATG	CTGTCCCCAT	11880
TGATGTGTTT	TCAGTGGATA	TCCCCAATTG	ATCCTGTTCC	CAATGATGCT	GTCCCCAATG	11940
GACATCCCCA	TTGATGCTGT	CCTTGTTGAA	GTTGTCTCGA	TTGATGCATT	CCCATTGATG	12000
TGTTCCCAAT	GGACATCCCC	AGCTGATGCT	GTTCCCACTG	ATCCTGTCCC	CATTGATGCA	12060
TCCCCAATTG	GTTTATTCCC	CATTGATTTA	TTCCCCATGG	ATGTCCCCAC	TGATGCTATC	12120
CCCAGTAATG	CTGTCCCCAC	TGATGCTGTC	CCCAATGATC	CTGTCCCCAG	TGATGTGTGT	12180
TCCTAATGGA	CATCCCAACT	GATGCTATCC	CCAACGATGT	GTCCTCACTG	ATGTGTCCCC	12240
AGTCCATGTG	GTTCCCAAGT	ATGTGTCCCC	AACAATATGA	CCTCACTGAT	GTCTCCCCAG	12300
TTGATGCAAT	CCCCAATGAT	GCATCCCCAA	CAATGCATTC	CCAATGATAT	TTCTCTAATA	12360
TGATGCTGTC	CCCAATGATG	CATTCCCCAT	TAACGCACTC	CCACCGACGC	ATTCCCAACG	12420
ATGTGTCCCC	ACTGATGCGT	CCCCACTGAT	GTGTCCCCAC	TGATGTCCCC	CCCCACAGGC	12480
ATCCCGGTGG	CCGACGTCTT	CCTGCAGCAG	CCTCTGCAGC	TCGGCTACCC	CAACACTCTG	12540
ATCTGTATGG	TGGGCAACAT	CTTCCCCCCA	GCCATCACTA	TCAGCTGGCA	GCGGGATGGC	12600
ATCCCCGTCA	CCGATGGCGT	CACCCACCTC	ACCTACACCC	CCACCGAGGA	CCTGGGCTTC	12660
ATGCGCTTCT	CCTACCTGGC	GGTGACACCG	CACTCTGGTG	ACATCTATGC	CTGCATTGTC	12720
ACCCGCGAGA	GGGACAACAT	CTCTGTGGTG	GCTTACTGGG	GTGAGTGGGG	ATGTGGGGGT	12780
CATGCTTTGT	GTCCCCGCAG	CGGTGGCTGA	TGGGGGCGGG	TGGTGGGAGC	AATGCTTTGT	12840
GTCCCTGCAG	TGCCACAGGA	CCCCATCCCT	TCGGACGTGT	TGGCCACGGC	GGTGTGCGGC	12900
GCAGTGACGG	CGCTGGGCAT	CCTGCTGGCA	CTGCTGGGTT	TGGGGCTGCT	GCTGTCCGCC	12960
CGCCGGCGCA	GATGTGGGG	ACAATGGAGA	CAGCAGGGAC	ACCCGCCCCG	TACTCACTGA	13020
TGTCCCCCAT	AAGTTGATCC	CTCGGTGTGG	GAACGGTGAT	GGTGTGTGTA	TTAAAGCCCT	13080
TCATTTGCAG	CGCGGTGTCC	TTGTTTGTCC	CCACTCCGGG	AAGGGTGGCA	ATTAATGGGG	13140
TTGGGCATTG	TCCCCATGGC	CCCAGGTGGC	AAAGTCTGAT	CCCATTGCAC	CGCCCATGGG	13200
GTGACGTGAG	GAGGAGGAGG	AGGAGGAGGA	GAAGGAGTAG	GAGGAGGTGA	AGGTGGCACG	13260
GAGGGGATGA	AGGCAGCAGT	GCTCCTGATG	GGGCCAAGGG	GTTTCAGGGT	GCTGGGGGCG	13320
ATGGGGCTGG	TGCTGAGCTG	CGGGACAGCA	GGTAGGATGT	GGGGAAGTGT	GGGGTTTTTG	13380
GGGTGAAGCA	TGGGGGTTTT	AGGGTGCAAC	ATGGGGCTTC	TGGGGTGCAA	CATGTGGGTT	13440
TGGGGGTGCA	GCATGGGGGT	TTTAGGGATG	CAGTGTGAGT	TTTTAGGGTG	CAAAATGGAG	13500
TTTTTGGGGT	GCAACGTGGG	TTTGGGGGTG	CAGTATAAGT	TTTTAGGGTG	CAACATGGGG	13560

Figure 34e

E1REV.txt

TTTTATGGTA	CAGCGGGGGC	TTTGGAGTGC	AGCATGGGGT	GCTGCATGTA	TGCATAGTGC	13620
ACAACATGGG	GTTCTTGGTG	TGCAGTGTGA	GTTTTTAGGG	TACAGAGTGG	GGGATTTGGG	13680
GTACAGCATG	GGGTTTTGGG	GTGCAGAATG	AATTATTAGG	GTACAACATG	GGGTTTTTAGG	13740
GTGCGGCACA	GGGCTTTGGG	GCACAGCCCC	AGTGCTGTGC	CCTCCCCATG	CCCCCAACGC	13800
AGGCGCCTTC	GTGGTGCACA	TGGCCAGCTC	CTGCCCACTG	CTGGCCAATG	GCTCCCTGGG	13860
CAGCTTCGAC	CTCACCATGG	CCTTCAACAA	GAACCCTCTG	CTGTGCTACG	ACCCCGACGT	13920
CCACCGCTTC	TACCCCTGCG	ATTGGGGGCT	GCTGCACACC	GTTGCCACTT	TGCTCGCCGC	13980
CATCCTAAAT	GATGATACCA	CATGGGTGCA	GCGTGCAGAG	GCACGCAGGC	AGGCGTGCAC	14040
TGAGCTGGCT	GCACAGTTCT	GGACACACAC	AGCACTGCGC	AGGAGTGAGC	ACCGCTGCAT	14100
GCAAGTGGAG	CATTGCAAAC	ACGGGACGTT	GCATGGGGGT	GTTGCATGGG	GGTGTTGCAA	14160
TGGGGTGATG	CACAGCCGGT	CATTGCATGA	GACGCTGCAC	GGGGATGTTG	CAAAGGGAAC	14220
TGCATGGGGA	CATCGCACAG	CAGGTTGAAT	GGGATGTTGC	ATGGGGACTT	TGCAAGGGAA	14280
CTTTGCACAG	AGCATTGCAG	GGGATCCACG	CAAGGAATTT	GCATAGGGAA	TGCACAGAGA	14340
TGTTGCCTGG	GAATGCTGCA	TGGGGTCATT	GCATGAGGAA	CTGAGAGAGA	CATTGCACAA	14400
GGAAATGCAA	AGGGGCATCA	CTAGGGGACA	TGGCATGGGG	CATTCTAGGG	AGCATTGCAT	14460
GGGGACATTG	CAAAGGGAAT	GCAAAGGGAC	ATTGCATGGG	GACATTGCAA	ACAAATTGAG	14520
TGGGAGATTG	CACCGGGATG	TTGCATGGGG	ACATTGCATG	GAATGTCCCA	CCAACCACCC	14580
TGCAGGGTGA	CACTGGGACC	ATCCCCAGCT	CTGACCATCC	CCCCTTTGCT	GCAGCACCAC	14640
CCCAGGTCCG	CATCGTCCCC	ATCCCCATCT	CCAACGACCC	CGACACCGTC	CACCTCATCT	14700
GCCATGTTTG	GGGCTTCTAC	CCACCCGCAG	TGACCATCCA	GTGGCTGCAC	AACGGCCTCG	14760
TGGTGGCCTC	AGGTGACACC	AAACTGCTGC	CCAACGGGGA	CTGGACCTAC	AGGACACAGG	14820
TGGCCCTGAG	GGCCAGCACT	GCAGCAGGGA	GCACCTACAC	ATGCTCAGTG	TGGCACTCCA	14880
GCCTGGAGCA	GCCGCTGCAG	GAGGACTGGA	GTGAGTTTGG	GGATGGGGAT	GTGGCACCCA	14940
CACCCACAG	TCCCCCACGG	CTCATTGTGC	CCACGCTGTC	CCCACAGGTC	CCAATTTGTC	15000
CCCGGCGATG	ATGGTGAAGG	TGGCAGTGGC	GGCCATGGCG	CTGACGTTGG	GGTTGGTGGC	15060
ACTCAGCGCC	GGGGTTTTCA	GCTTCTGTCA	GCGGCCACGG	GGTGAGGGAT	GGGGATGTGG	15120
TGCTGGGGAC	ATGTGTGACA	CCGAGGGTCT	GGTGTCCAGT	GTGGGGTGTA	CCTCCTCATT	15180
CATCATCTTC	TGTGTGGCAG	CTCCTGGCGC	TGGTCCCAGT	CCCCGTCTTG	ATGCGGGTTC	15240
TCACTCCAAT	CCTGGTCCCC	AAAATGATCC	CGGTCCAAGT	TCTGGTCCCC	ATCCCAGTCC	15300
TGGTCCCCAT	TCTGGTCTTG	GTCCTGGTCC	TGGTTCTGCT	CCTGGTCCCT	ATCCCTGACT	15360
CTGGTCCCGG	TCCCCATCCC	GATGCCAGTC	CCAGTCCTGG	TCCCCATCCT	GGTCTTGCTC	15420
CTTGTTTGG	GGACCTCAAT	GACTGGAAT	CCCATGTCCC	AACATGGGGA	CCCACAGTTT	15480
GGGGTGAGGG	GCTCTCACCC	CCCAATAAAA	CCATCTGCAG	CCCCAACCTC	GCTCCAATTC	15540
TTCGTTCCCA	CGTTGGGTGG	GTCGGGCTCC	CAGTGCTCCC	AGTGCTCCCA	GCCGTCTATG	15600
TCCCGTAAGC	GTCGGCTCCA	CTGCATTCTG	CTCCGGAAAC	AGATGACGCT	ACCACGGCGC	15660
CGCCTCTGAT	TGGCTGCTCC	GTGCCCTCTC	TCCGTCCCAC	GTCCGTGAAG	GGGGGGATGT	15720
GGGGTGAGGG	GAGCTGAGGG	GCCGCCCCCT	TCCCCCCCCC	GCTCCCCCCT	CCGCGATGTT	15780
GGTGCTATTG	GGGCTGCTGC	TGGGAGCGCG	GGGGGCAGGT	GGGGGTTTGG	GGTTGGGGTG	15840
TTTGGGGGGT	CTCTGCCTAA	TGAAACTCTG	GGGGGGGGGG	ACGTGGGGGT	CTCTGCTTTA	15900
TGGGACTGTG	TGGGCGGGCT	TGAAGGGGCT	CTGCTTTACG	GCGCTGGGTG	TGGGTTCTGG	15960
GAAGACTGTG	CTCTATGGGA	TCATGGTAGG	GGCTTGGGGG	GGCTCTGCTT	AATGGCACTG	16020
TGTGGAGGGA	CATTGGGGGT	CTCAGCCTTA	TAGGACGTTG	GGGATGATTT	GTGGGGGTCT	16080
CAGCCTTTGC	AATATTGAGG	ACACTCTGGG	TGGTGGTCTG	AGCCCTTAGG	GCCCCAGGG	16140
AGGGCTTTAG	GGTGGGCTCA	GCCTTTTGGG	ATACTGGGGT	CCTTTTGAGG	GGAGGGTCTC	16200
AACTTTATGG	GATGTTGCAA	AGAGTTTGGA	GGGGGTCTCA	GCTCTGAGGG	ATATTGGGGA	16260

Figure 34f

EIREV.txt

CAATTCGGGG	GATCTCAGCC	CTTTGGAAC	CAATGGAGGA	TTTTGGAGTG	ATGCTGAGGA	16320
CTCAGCCTTT	TGGGTTGCTG	GGTATGATTT	GGGGATGCTC	AGCCTTATGG	AATGGTGGGG	16380
ACACTTTGTG	GGGAGCTCAG	CTCTGTGGGA	TATTGGGGCC	ACTTTGGGGG	AGTCTCAACC	16440
TTTAGGACTC	CCAGGGAGGG	CTTTAAGAAT	CTCATGGGAT	CCCAGTGTTG	AGCTCAGCTC	16500
GATGTTATGT	CCCCATGGGG	ACCTCTGGGG	GCTCCAAATG	GGGATGAGGT	CGCTGCCAGC	16560
ACTGCCATCT	CCCCTCTGTC	CCCCCAATGC	AGGTGCCTTC	ATGGTGCATG	TGGCCAACCTC	16620
CTGCTCACTG	GCAGCCAATG	GCTCTCTGCG	GGGCTTCGAC	CTCACCCTGG	CCTTCAACAA	16680
GAACCCTCTG	GTGTGCTACG	ACCCCGATGG	CCACCTCTTC	AACGCCTGCG	ACTGGGGGCT	16740
GCTGCACGGC	GTGGCTGGAC	AGATTGCCAT	TGCCCTCAAC	AATGACAGCA	CCTGGGTGCA	16800
GCGTGACAG	GCACGGAGAC	GGGCGTGAC	CAAACCTGGT	GCACAGTTCT	GGGCACAGAC	16860
GGCGCTGCGC	AGGAGTGAGC	ATTGCAAATG	GGGCTGTTGC	ACGGGGCGTT	GCGTGGGGAT	16920
GATGTTGCAT	GGGGCATTGC	ATGGAGATGA	TGTTGCATGG	GGTGTTCATG	GGGGACATTG	16980
CATGGGGCAT	TGCATGAAGA	TGGTGCTGCA	TAGGGCGTCG	CATGGGGATG	TTGCATGAAG	17040
ATGTGTAGCA	ATGATGCATG	GGGCATTCCA	TGGGGACGCT	GCATGAGGGT	GTTGTTTAGC	17100
AATGATGCAT	GGGGTGCTGC	ATGGGGATGT	TGCATGGAGA	TATTGCATGG	GGCATTGCAT	17160
GGGGTTGATC	CATGCAGCGT	TACATGGGGT	TCTCAAGCAG	GGGGATGTTG	CATGGAAAAG	17220
TTGCATGGAA	AATTGCACAG	AGGTGTTGCA	AAGCATATGC	ATGGGGATGT	TGTATGGAGG	17280
ATTGGACGGT	GGCTTTGAAG	AACATTCTGC	ATGGGGCATT	GCTTAAGGGT	CCCAAGCATG	17340
GGGATGCTGC	AAGGAAAATG	TGCTGCTTGG	TGGCCTTGCA	GAGTGTGTTG	CATGGAGTTT	17400
GCTTCAAGGA	GATGTTGCAT	GGCATATCAT	CTGCAGTTTT	GCAGAGCACA	TTGCATTGCA	17460
CATTGCACAC	TGCACAGAGC	AGTGCACCTG	GCATCTCCCA	GCGTGTGGCA	CAACGCTGTT	17520
GCAAAGGACA	TCCACAGAGG	TGTTGCAGCA	AACAATGCGC	AGAGCTTGCA	CAGAACGTGG	17580
GATATCCCAT	GGGGATGTGG	CACAGAGCAT	TGCGTGGGGA	ATCCTACAGG	GAAGTGAGAT	17640
GGGGAAGTTG	CACAGAGCGT	TGCAAGGGGT	ATTGCACAGA	GGGAACCTGC	AGAGAATGGG	17700
GCAGGAACCG	TCCCCATCCC	CTGCTGCTCA	CCATCCCTGT	CCCCACTCCA	GCTCAGCCCC	17760
AGGTCCGCAT	CGTCCCCGCA	CAGACAGGGA	ACCCACAGCGT	GCCCATCCGC	CTCACCTGCC	17820
ACGTGTGGGG	CTTCTACCCC	CCCGAGGTGA	CCATCATCTG	GCTGCACAAT	GGGGACATCG	17880
TGGGACCTGG	AGACCACTCA	CCCATGTTTG	CCATCCCCAA	TGGGAACTGG	ACCTACCAGA	17940
CACAGGTGGC	CCTCTCGGTG	GCCCCAGAGG	TGGGGGACAC	CTACACGTGC	TCGGTGCAGC	18000
ATGCTAGCTT	GGAGGAGCCC	CTCCTGGAGG	ACTGGCGTGA	GTTGGGATCA	AGGGGGTGAC	18060
ACAGGGACAG	CGGTGTCCCT	GCTGTGTCAC	TGCTGGCTGT	GTCCCTGCAG	GTCCTGGGCT	18120
GACGCTGGAG	GTGACGCTGA	TGGTGGCTGT	GGCCACTGTA	GTGATGGTGT	TGGGGCTCAG	18180
CTTGCTCTTC	ATTGGTGTCT	ACTGCTGGCG	GGCCCAACCC	CCTGCCCCAG	GTGGGTGCTT	18240
GAGAGGGACC	CTATGGGGCT	CCATGGACCT	CTAAGGGGTC	TCTGTCTGGT	TCCTATGGGT	18300
CTCTGGGTTG	CTGTGAATCT	TTCTTTTCTC	TGTGGGTCCG	TCTGGGGTAT	CTGTTGATCC	18360
CTATGGGTTG	CTGTGGGGCC	TCTGTGGGTC	TCTATGGGTC	CTTCTGTTGG	CCTCTGTGAG	18420
GTCTCTATTT	GTCTCTATGC	ATCCCTTTGG	ATCTCTATGG	GGTCTCTGCG	GGTCATTACG	18480
TGTCTCTATG	GGATGTGACC	ATTTTTGACA	AGAACCCAC	TCACCCCTCC	TATTCCCCCA	18540
ACAGGTACG	CCCCGCTTCC	CGGTACAAAC	TACCCTTCAG	GTAACAGTGT	CCCCAAACTG	18600
TCCCTGTCCC	CATTGCCATC	AATGAGGGCT	GAGTGACCCC	ATCTCTCACC	CCATGTCCCT	18660
GCAGGCAGCA	TCTGATGGAC	ACCTTCTGTC	ACCAACTGTC	CCTGCGTGTC	CCCATCCCTG	18720
ACTCTGCGCC	GTGGTGCTGA	CATTAAAGAC	ACTCTGCAGC	CTCTGTTGGT	GTCTCTGTGG	18780
GCTTTTGGGG	TGGGGTGGTG	TCACCGGGGA	GAGGTTGGGT	TGGGGTCATT	GCATCCATGA	18840
TGGTGATGGT	GATTGACATT	GTGCACAGGG	AGATGTCCAG	GCGCCTGTGG	GGTCTGTGTT	18900
TTAGGGCCAG	TTCTGCTCAG	TGCCTCCGTA	AGTGATCTGG	ATAGGTCGTC	AGTCATCCTA	18960

Figure 34g

E1REV.txt

ATTAAGGAGG	GGACAACAGT	GAATGGGGAG	GAGCCGATGA	CTCAGGCTGG	GAGTGGTGAT	19020
CCCAGAGGTT	TCCTCTGCTG	TCAGTGACTC	CGTGCTTTTCG	CTTTCGCTTC	ACAACCTGAG	19080
GGAGCGCATT	CTGCCTGGCG	CCCAGTGACG	TCACATAAAC	CCCCGACTGC	CATTGGCGGA	19140
GAGGCGACGG	AGGAGCCAAT	GGGGGCGCGG	GGCGGGGCGG	AGGAGTAGGA	AAAGCTGAAG	19200
GAGCTGCGCT	GGGTGCGGCG	GACTTGAGAG	TGCAGCGGTG	TGAGGCGATG	GGGCCGTGCG	19260
GGGCGCTGGG	CCTGGGGCTG	CTGCTCGCCG	CCGTGTGCGG	GGCGGCGGCC	GGTGAGTGCG	19320
GCCGGACCGG	GACCCCTCCC	CGCCCGTAAC	CCCACCCCGG	GGCTGTGCCC	GTGGGATCCT	19380
CAGACCCCCA	CCCGCGGCTC	ACGGCCTCGC	TGCGCTCCGC	CCCCGCAGAG	CTCCATTCCC	19440
TGCGGTACGT	CCATACGGCG	ATGACGGATC	CCGGCCCCGG	GCTGCCGTGG	TTCGTGGACG	19500
TGGGGTACGT	GGACGGGGAA	CTCTTCGTGC	ACTACAACAG	CACCGCGCGG	AGGTACGTGC	19560
CCCGCACCGA	GTGGATGGCG	GCCAACACGG	ACCAGCAGTA	CTGGGATGGA	CAGACGCAGA	19620
TCGGACAGGG	CAATGAGCGG	AGTGTGGAAG	TGAGCTTGAA	CACACTGCAG	GAACGATACA	19680
ACCAGACCGG	CGGTGAGCAC	GGCCGGGGCC	GCGGCTCCGT	GGGTGTGGGA	TGGGCTCCAT	19740
GGCGCAGTGC	CGCCACACAC	CCCCAGGCCT	GGCCCTGCCC	GGCGGCACCG	TCCCGGGGCT	19800
GCCCCGTCACA	GCCCCACCGC	GCTCGGGGTG	CCGCGTCCCC	GGGGGACCCC	AACCCATCCC	19860
CGCTGCACTG	GGAGCCCCGG	AGCCGGAGGG	GCCCCTCACC	CCCTGCCCCG	CTGTGTTTCA	19920
GGGTCTCACA	CGGTGCAGCT	GATGTACGGC	TGTGACATCC	TCGAGGATGG	CACCATCCGG	19980
GGGTATCATC	AGACAGCCTA	CGATGGGAGA	GACTTCATTG	CCTTCGACAA	AGGCACGATG	20040
ACGTTCACTG	CGGCAGTTCC	AGAGGCAGTT	CCCACCAAGA	GGAAATGGGA	GGAAGGAGGT	20100
GTTGCTGAGA	GGTGAAGAG	TTACCTGGAG	GAAACCTGCG	TGGAGGGGCT	GCGGAGATAT	20160
GTGGAATACG	GGAAGGCTGA	GCTGGGCAGG	AGAGGTGAGC	GGGGTCGGGG	TGGGGGGGGG	20220
GGGGGGCGGA	CGCAGTGTGG	GGCTGGACGT	GGGGCGGGGG	CTCATCGTGG	GGAGCTCAGC	20280
CCGGCCCTCA	CTGCCGCCCA	CCCACAGAGC	GGCCTGAGGT	GCGAGTGTGG	GGGAAGGAGG	20340
CTGACGGGAT	CCTGACCTTG	TCCTGCCGCG	CTCACGGCTT	CTACCCGCGG	CCCATCGCCG	20400
TCAGCTGGCT	GAAGGACGGC	GCGGTGCGGG	GCCAGGACGC	CCAGTCGGGG	GGCATCGTGC	20460
CCAACGGCGA	CGGCACCTAC	CACACCTGGG	TCACCATCGA	TGCGCAGCCG	GGGGACGGGG	20520
ACAAGTACCA	GTGCCGCGTG	GAGCACGCCA	GCCTGCCCCA	GCCC GGCCCTC	TACTCGTGGG	20580
GTGAGTGAGG	GGATGTGGGG	CTGGGGGGCT	GCGGGCTGCC	CCTTCCCCCTG	CTGATGGCCC	20640
CGCTCTCCCC	CAGAGCCGCC	ACAGCCCAAC	CTGGTGCCCA	TCGTGGCGGG	GGTGGCCGTC	20700
GCCATTGTGG	CCATCGCCAT	CGTGGTTGGT	GTTGGATTCA	TCATCTACAG	ACGCCACGCA	20760
GGTAAAAGCA	GAGGGGTGCA	GGCGGGCAGT	GGGGGCTGTA	GGGGGATCTG	GGTCCCCCTT	20820
GGGAGCCCCC	AACCTGGCTG	TGATGTGAAC	CTGTGATGAA	GCATCTCTCT	GTCTGCAGGG	20880
AAGAAGGGGA	AGGGCTACAA	CATCGCGCCC	GGTGAGTGAT	GAGGGCAGCG	CTGTCCCCCA	20940
CCTCTGCCCC	GTGCCAGGGT	GGTCCTGGGG	TCCCTGCTTT	CTCCCAAGGT	ACCCATTCCCT	21000
GGTGCTTGGG	GCTGCTCCAT	GCCCCATAGG	GAGCACAGGG	CTGGATCTCA	CAGCTGTTCC	21060
TCCCTTATAG	ACAGGGAAGG	TGGATCCAGC	AGCTCGAGCA	CAGGTGCGGT	GTGGGGCTGT	21120
GGGTGGGGAG	GGGTCCGTGT	GCTCTCTGTG	GTACTGCCCA	GGGCTGGGCT	ATGCTGGGGC	21180
TCTGCGGGGA	GACCCCCGGA	GCAGAGGGTT	GGGATGTGAA	CCTGGCCCCG	TGGGACATCA	21240
TCCCTTCTCA	TCCCCACAGG	GAGCAACCCC	GCCATCTGAG	TGCTGTGCTT	CAGCCTGCAA	21300
GGAGCCAACA	GTCCACACCA	GCATTTGGGG	TCGGTGATGG	ACACAGCCCC	ATCCTCCTGA	21360
CCTCTCACAT	CTCATCTGTC	TTCCTATGCT	GACTGTTATG	CTTTGCCTGC	ACTGCTTCCT	21420
GTGAAATAAA	ATGATGGGCC	ATTCTGTGCT	CAGCTTGCCCT	GCATTCTGCA	CTGTGCTGTG	21480
GTTGGGGATG	GGGTGGGTGA	GAGGACCGTG	TCCCAGTTTG	GCTGCTCAGG	GTGCAGATGT	21540
GGCCCTGTGC	TGAGTACCCA	CAGCCCTCCC	CCCCTATCTG	CCTGCTGCTC	ACTCCCCCTT	21600

Figure 34h

E1REV.txt

CTGTACCCCC	ATCCCTTCTC	ACCTCTCCTC	TGTGACCCCA	TGCTGGTGGT	TGCTTGCTCC	21660
CTGTCCTGGC	AGAACTCTCA	TTTTCCCAAT	GGCATCCCCTG	GGTGTGTTGGGA	TGTGGTCTCC	21720
TTGGTCCTCC	CCCCAGCAGT	CACTGCACAT	ATCCACCCCA	CTTCCCCCCC	AGGTTGTTGT	21780
CCCACAGCAC	TCCTATTTCC	CTCTCCCCCC	CCCCCCCCCC	CCCCCGCCC	ATCCAGCTGC	21840
CTCTGCAATC	CTCACCTTG	CCCACACACA	ACTTTGCGCA	CTCCACCTCC	CTCATCCCGC	21900
CCTTCCCCCA	GCTCTCCTGT	CCCTGCTGGC	CCCCCTCCCC	CCCCCCCATT	GTACCCTACA	21960
CCCAAATAAA	TATGTTTGTT	CTGCTGCCCT	CCAGCCGTCT	CCTGGTTTAT	TTCCCCCGA	22020
TTTGTTGTTG	TTGGGGGCTC	CGCTCTTCAC	CCTGGGGGGA	AGGGGCTCTG	GGGGTCCCTC	22080
ATTCTCCCTG	CACTTCTTAC	AGCACCGGGA	CTCCCGCGCT	GAGATCCCAT	CACACCCGGG	22140
TACAAACATG	CGGCTTTATT	CCCAGTTCTG	TGTCCCACCC	CCGGCCCTGG	TGGCACTCAG	22200
TGGCACCGCA	GTCCATGCAG	TGGCCGTTGT	GTGTCGTACA	GCAGCGGTAC	CGCAGCGCGC	22260
CCGGCTCGGC	ATCCATGTGC	CCACGGCACA	GCTCTGTGG	TCCCTTGTCG	CTGCCCCGGT	22320
GTCCCCACCT	CCACCCTCAG	TGTCCCCAAC	GCGCAGTGTC	CCCATCCCAC	ATCTCACCAC	22380
CCCCTGCCCT	CCCCATCCAT	AACTCCCGCT	ATCCCTCTGT	CCCCCTCCCC	CGGTGCTCCC	22440
TGTTGTCCCC	AGTCCCGCAG	AAGGCTGCCG	GGGCGCAGCA	CCTCGTGGGG	GGGTCCCTCC	22500
TGCCGCACCT	CTCCCCCCTC	CAGCACCACC	ACCCGCTCTG	CCC CGCGCCG	CAGGGCTGCC	22560
CGCCCCGTCA	CCATCAGCAC	TGCACGCCCC	GACCCTTTGG	CTGCGAGGAT	CTCCTGCTCC	22620
ACCTGTGGGA	GGAGAAACGG	TCAGGGGGAT	GTCTCAGCC	ACTGCCAGGG	ACCGAGGGAC	22680
ACCAGGAGTG	GAGATAAGGG	GACACCAGAA	CAGGGGACCA	TGGGGACCTA	GGCGTGCAAT	22740
CTGAGGGAAC	ACAGGGCTCA	GGGGGATGTG	GGGACACGGG	GACGTGGGGG	ACATCCCACC	22800
TGCTGCTGGC	TCTCAGTGTC	CAGGGCGCTG	GTGTGCTCGT	CGAGTATGAG	GATGCGGGGG	22860
TCCCGCAGCA	GCGCACGGGC	AATGGCCACC	GCCTGCCGCT	GCCCCCGGA	GAGCTGTCCT	22920
CCCAACTCGC	CCACCTCTGC	GGGGACAGCG	GGGTCAGGCT	GGGAGGGGAC	CATGGAGGGG	22980
ACCCGGAACA	GAGAGGGGAC	AGCTTACCTG	TGTCGTAGCC	TTGGGGCAGG	CGAGTGATGA	23040
AGTCGTGAGC	ACCCACCTGG	CGGGCGGGCG	CTGTCACCTG	CGCCCCGGCTG	CAGCCCCCCA	23100
ACCCATAGGA	GATGTTGGCG	TGGAGTGAGC	GGGCAAAGAG	CAGCGGCTCC	TGGGGGACGA	23160
CGGCCACCTG	CAGTGGGGGG	GACAGCTGGG	GACATGGGCA	CGTGGCAGTG	GAGGCGGTGG	23220
GGATGGCTGG	GGATGTGTCA	GGGACATCTG	GGGACATGGT	GGGATGGTTG	GGGACACAAG	23280
GATGGTTGGG	GA CT TGGCCG	GGACACTGCA	GGGGACACAG	TGGTGATATG	GCAGAGACAT	23340
CAGGGTGTGT	GGTGATGGCT	GGGGACCCAG	ATATCTGGTG	ACTCAATGAG	GATGGCTGCT	23400
GATATGCAAG	AACACAGGGG	GACAACCAGG	AGCCATGGGG	ACATGTGGCT	GCTCACCTGG	23460
CGGCACAGGT	AGGAGTGCTG	GTAGGCGGGG	AGGGGGTGGC	CATCCAGCAG	CAGGCGTCCG	23520
GCCGTGGGCT	GGTGCAGGCG	GGACACGAGG	GCCACCAGAG	TGCTCTTCCC	TGCGCCCCGGG	23580
GGTCCCAGCA	GTGCCAGCAC	CTCCCCGGGG	CGCAGCTCCA	GTGATACGCC	CTGGGGACAC	23640
GGATGTCACA	CCCATGGTGT	CCCTGTACCC	ACACCTCCAT	AGTCCCACGG	CCTTCCTGCT	23700
GTGTCCTTCT	GTCCCTGTTC	CCCCCGACC	CTTTGTTTTG	TTCCACACC	TTTGGTACCA	23760
CATCTACATT	CCCATGCCCT	CCCCACCATG	TCTCTGTGTC	ACTCATCATG	TCCAGTGCC	23820
ACAAACCCAC	CATGTGCCAT	GTCCCCGCGC	CCTCAATACC	ATGATCTCAT	GTCCCTCTCC	23880
AGTGTCCTCA	TACCACCCCC	TCCATGTATC	TCCTTGTTTC	ATACTCTCAC	ACCCTGTCCA	23940
TCACATCCAT	GTCCCTGAAT	CACCCCACTG	TGCTCCCACA	CCTGTCACGC	TGTCCCACCA	24000
CACCCCGTG	TCCCTGGCT	GTGTCTCTGT	GCCACCTTG	AGGACGGGTT	CCTGGCGCCC	24060
AGGGTAGGAG	AACCAGACAT	CCTCCAGCTG	AAGGTGGCCC	TGCAGGTCAG	CGGGTGCCAT	24120
TGTCCCTGAG	GGTGCACCT	GTGGCTCCCG	GTCCAGGAAC	TCAAAGATCT	TCTCCGAAGA	24180
GCCCACAGCC	TTCATCAGTG	TGGGGAAGTA	GTCGAGCAGG	ACCTGGGGAC	AGCGTAGTGA	24240
CGTGCCAGG	AGGGCAAGGG	CATGTGGCAT	GGTGACATGG	GGACGCAGAG	GACACAGTGG	24300

Figure 34i

E1REV.txt

GATTGGCATA	GGGACAGGAC	GGGGTAGGTA	TGGGGACAGA	GGAGGTGACA	CAGGGATGTG	24360
GCAGGGGTCA	CAGAGGGTTA	GACGTGGGGA	CACAGGGACA	TGGATGGGCA	TGGGGACACA	24420
CTGCGATTGG	CCTGGAGACA	CAGCAGGGAG	GATGTAGGAA	CACAGGGACA	CTGTGACACA	24480
CTGTGACTGT	GGCAGGGAGA	CATGGGGACA	TGCGGATATG	GGCATCCTCT	CAGGCTCACC	24540
TCCAGGACAT	CAGTGAAGTG	TATCTGGTAG	AGGAGGAAGG	TGACGAGGTC	CCCAGTGCTG	24600
ACGGTCCCCG	CGGCCACCAG	CTGCCCCCCA	TAGTAGAGGA	TCCCCATCTT	CAGGGCCAGG	24660
GCTGAGAACT	GAGGATGCCA	TGAGGTCACC	AGGGGACACC	TCCCCCTGGG	ACTCTGAGTC	24720
CCCAGCACCA	CTCTGTCACC	TTCCTGTTCT	GTCAATGTCC	CCCCTGTCCC	AGTGTCCCAC	24780
AGCTGTGCTA	TCTCTGTGCT	ATGTCCCCTC	ATGCCATCAT	GTTCCCAAGT	TCCTGGAGCC	24840
CCCATGCCGC	CCCATTCCCA	CGTCACTGCA	TCCTCCTGCC	CCAGAGCCCC	TGAACTGTTG	24900
TGCCTGCTAC	ATCCTGATGT	CCCCATGCCA	TCAAATCTAT	GTCCACAGT	CCCCATGCCA	24960
TCATATTCCC	ATGACCTGCC	ATCTCCACAC	CATTATGGCC	TCCAGCCCGT	TGGCATTCTG	25020
TCCCCATCTC	CTGACATCTC	AATTACATCA	CGTCTCCACA	TCTCCCAGCC	CTATCCCACC	25080
ATGTCCCCAT	GCCCCCAGT	CCTATCCTAT	CATGTCCCCA	CATCCCCCAG	CCCCATCCCA	25140
TCACGTCCCC	ATGCTATTGA	GCCACCCCAT	CCCATACACC	ACTGGTCCAG	AGAGAGGCAG	25200
TGTAGAGGGC	CACATCCTTC	TTCTCCAGGC	GGTGGCTCTG	CTGCAGGCGC	TGCCGGTAGT	25260
GTGCAGCCGC	CCCATCCTCA	TTGGCAAAGC	TTGCGACAGT	GGCCATGGCC	TGGAAGGTCT	25320
CCACTGCCAC	CTCGCTGGCC	CGGGCCTGCG	CCTTCTGCAT	CTGTGGTGCC	AGGGCCTGGG	25380
GACAGCAGTG	TCATTGCAGG	GCGGGTGGGA	AGGGAATGGG	GGCTGGGGAG	GGGACAGTGC	25440
ATGTATGGAG	GGAACAAAGA	ACACGTGGAG	GGGATGGAGG	GGACATAAAG	GGGACGGTGG	25500
GCATGTGGAG	GTGACAGTGG	GGGCATGCAG	AGAACAGAAC	CCATGTGGAA	GGGATAATGG	25560
TCACACATAG	GGAATAATGA	GCACATGGCA	CGGATGGTGG	ACGCATGGAA	GGGGCATGGG	25620
GCACGTGGAG	GGACAGCGGT	CACACAGAGG	GGACAACAGC	AGGAGGATGG	TGGGTACATG	25680
GAGGGGACAG	TGGGCACATG	GATAGGGCAA	TGAGTACATG	GTGGTGACAC	TGGGCACATG	25740
GAGGGGACCA	GAGGCACATG	GAGGGGACCA	AAGGCACATG	GAGGTGCAGA	CAGCAGCCCA	25800
TACCTGCCGG	AAGTGCCCCA	CAGCCCTGGG	CAGTGCCAGC	AGCAGTGGCA	GCGCCAGCGC	25860
GGTGAGCAGC	GCCATGCGCG	GGGACAGCCA	GGCCATGGTG	GCGAAGAGGC	AGAGGCCACG	25920
TGCCAGATAC	CACAGCAGGA	GGCTCAGCGC	CTCACCAGC	GCCTCGCGCA	CGTCTCCGCG	25980
ATCCCGCGTC	ACCCGCATGG	CCACATCCCC	TGCCGGGTGA	CAGCGCCGTC	AGTGCCACCC	26040
CTGTCCCTTA	TCCCCGTGTC	CCCTCCCAGC	CCGGTGCCCC	TCACCGGCCC	CGTCGGCGCG	26100
CAGCTCGGTG	ATGCTCTGCC	GCAGGACGGC	GGCGAAGACG	CGGCGCTGGA	GGCGGCTCTG	26160
CGTGCGGCTC	AGTGTCCCCA	CGAAGGTCAC	ATCACACACC	AGCTCAGTGA	CAGCGCTGTG	26220
ACGGCAGTGG	GGTGTCAAGG	GGTCCCAGCG	TGCCCCCTGC	CCGCACCGCG	TCCCCCTAT	26280
GCCAGTACCT	GCTGAGGCCC	AGCAGCACCA	TGGGCAGGAT	GGCTGCCAGC	TCATCCTCGC	26340
GGGCCACCCA	GTCGCTGGCT	CGCCCCATGT	AGTAGGGCAC	GGCCATCTCG	CCTGTACCA	26400
CAGCAGGGTC	AGGGCATGGG	GGACCCCCC	GAGGAATGGT	GCCCCAGGAG	TTCTGTGCTG	26460
CACCCCCAGT	TTGGTGCTGC	ACCCCCAAAG	CTCAGAGGTG	AACCTCCGAA	GCTCATTGTT	26520
GCCCTCCAGT	TGGCTGCAGC	CCCCCACCCC	ACCGCAAACC	CATCTTCATT	CCCATTCAAT	26580
CACCGCCCCC	ACCCCAACCC	GACCCCAATT	CTATCTCCAT	CCCCATCCCT	ACCCACCCC	26640
AACCCCATTT	CTATTCTTAT	CCCATTCTTA	CCCCACCCA	ATCCAACCCC	AGTCCCATCT	26700
CCATCCACAC	TCCATCACAT	TCCCATTCCC	ACCCTGTCTT	CAATCCCCAT	TCCATCTCCA	26760
TCCCAAAGTC	AGCCCCAGTT	CCCATTCTC	TCCCCATCCC	CACCCCATCC	TACCCAGTCC	26820
CAATCCCAGT	TCCAAACCCA	CATCATTACC	ATTCCATCCC	AACCCCATTC	CCAGTGCCCCA	26880
GCCTATACCC	ATCCTTACCC	CCACCCCAAT	CCCCATCCCA	TTCCCCATCC	CATTCCACGG	26940
CTACTTCCAT	CCCCAATCCC	ATTCCATCCG	GTTCCCAATC	CCATCCCCAT	CCCTACCCTT	27000

Figure 34j

E1REV.txt

ATCCCCAGCC	CCACCACAAC	CCCATCCTCA	TTCAAATCCC	AACCCCACTC	CGATCCCACT	27060
CCCACTCCCC	CCGCCCCGTA	CCCAGCGCCG	AAGCCGCCAT	CAGACCCATC	ACCGCGGCGC	27120
AGCGCCGGCG	CTCCGGGCTC	AGCGAGAGGA	GGAGGCGGCG	ACCCGCGCCC	ATCTTCCCCA	27180
TCGCGGCCCC	GATCCCCCTC	CGGCCCCGATC	CCAATGCCCG	GCAGCGGCCG	GAGCTTCTCG	27240
GAAACGAGAG	CGTCTCTCAT	TGGCTGAGGC	GGTGCAGCAG	CGACGCTGCT	CATTGGTCGA	27300
GATGGTTTCG	CGTCATCAGT	TGCCAGGCAG	ATCGGAACAC	TGCAGTTTGG	AGAGGGGCGG	27360
GTGATTGAAA	GTGAAAGTAA	CGGCGGAGCG	GGAAGGAGAT	GGAGAGCGGC	GGCGGTGAGG	27420
GGCTGGAGGG	GGCTGGAGGG	GGATGGACTG	GTAGGGGCTG	GTGGGGTCTG	GTGGCCACTG	27480
GTGGGGTCTG	GTGGTTACTG	GTGGGGACTG	TCGAGGGGCT	GGAGGGATCT	GATGGGGACT	27540
GGAGGGGTTT	GGTGATCGCT	GTTGTGTGCT	CCAGGCTGGG	CTGTGGGGAG	CCGGACTGGA	27600
AGTGGGGGCC	GTTCTAAAAG	CACTGCTGTG	TGTTCCAGGT	GCTGAGGGGA	GCTGAGGACC	27660
TGCACCAGGA	GCACCCCGGG	GAGCCCACCT	GGTCCAGCTG	TGCACCAGAA	GCTCTGGGGA	27720
TCCCCACCCC	ACAGCCATGG	CGATGCCGCC	CTACATTCTG	CGCCTGTCAT	GCACGCTGCT	27780
CCTGGCCGAC	CTGGCCCTCA	TGTTGGCCCT	GGCCCACTTC	TTCCCAGCAC	TGGCCCATTT	27840
GGGCTGGGTG	GGCTCCTGGC	TGGAGGCCGG	GCTGCGCCTC	CTGGTGCTGG	GGGGGGCCGG	27900
GCAGCTGCTG	GCCCCCAGGG	GACCCCGTGG	GGCTGCAGTG	CTGCTGAGCC	TGGGCCCCGC	27960
CATCTTCTCTG	ACCCTACGGG	GCTATGTAGG	TCTGCCTGGA	GCTGCCCCGG	TGCTGCTGGC	28020
CATGGCAACG	CCGTCCTGGC	TGGTGCTGAC	CCACGGGACA	GCTGTGGTGG	CATTGCTCAC	28080
CTGGAGCCTC	CTGGTCCCCA	CTGTGGCCAC	TGGGGCAAAG	GAGGCAGAGG	CCTGGGTGCC	28140
CCTGAGGCGG	CTGCTGGCCC	TCGCCTGGCC	CGAGTGGCCC	TTCTTTGGCT	GTGCCTTCCT	28200
CTTCCTCGCA	TTGGCTGCAC	TGGGTGAGAC	CTCAGTGCCC	TACTGCACCG	GGAGGGCTCT	28260
GGATGTCTCT	CGCCAGGGGG	ACGGCCTCGC	CGCCTTCACC	GCTGCTGTCTG	GCCTCATGTG	28320
CCTGGCCTCT	GCCAGCAGGT	AGGGACCCCA	CATCCCTCCA	CAAAACCCCA	TCCACCTCTG	28380
GTGGTCGTCT	GGTGGGTTTG	GGGGTCTCTG	TCCATATCTG	GGGGTCATCT	GATGGGTTCT	28440
GGGCACTCCA	CTGACCCTTT	GTGATTGTCT	GAAGGGTTCT	GGGCTCTCCA	TTGACCCCTG	28500
ATGGGTTTTG	GAGTCGCCCC	CCCAATTCTT	TCCCAGCTCG	CTGTTTGCCG	GCTGCCGCGG	28560
TGGCTCTTTC	ACCTTCATCA	GGTTCCGCTT	CATCTTGCGC	ACCCGCGACC	AGCTCTTCTC	28620
CAGCTGGGTG	TACCGGGACC	TCGCCTTCTT	CCAGAAGACC	ACAGCAGGTA	CAGACTGGGG	28680
GCACTTTTGT	CCCTGTCCCC	ACACCATAAC	CCCAGCTCAC	CCTACTCAAC	TCCACAGCTG	28740
AGTTGGCCTC	CCGGCTGACC	ACCGATGTGA	CGCTGGCAAG	CAACGTGTTG	GCACTCAATA	28800
TCAACGTCAT	GCTGAGGAAC	CTGGGGCAGG	TGCTGGGGCT	CTGCGCCTTC	ATGCTGGGGC	28860
TGTCCCCGCG	CCTGACAATG	CTGGCACTGC	TTGAAGTGCC	GCTCGCCGTC	ACCGCACGGA	28920
AAGTCTATGA	CACCCGGCAC	CAGGTGATAG	CAGGGATGGG	ATGGTAGGGT	TGGGGTGACA	28980
GGGATGGAGG	CAATGGCAAT	GGGATGGGAA	CAGTGGGAGT	GGGGATAGTG	AGGTGGGGAT	29040
TGTGGGGTCA	GGGTGGCAGG	GATGAGGGCA	GCTGCAATGG	GATGGGAACA	GTGGGAATGG	29100
GGAGAGCAGG	ATGGGGATCA	TGGGTCCAAC	ACAGCAAGGA	TGAGAGGATG	GAGAAGAGTG	29160
GAGCAGGAAT	GGAAGTGGGA	TGGCGAGTAC	TTGGCCATCC	CATGGGTGCT	GACACCCACT	29220
GTCCCCCCCA	GATGCTGCAG	CGGGCCGTGC	TGGATGCAGC	AGCCGACACC	GGAGCGGCAG	29280
TGCAGGAGTC	CATCTCTTCC	ATTGAGATGG	TACGGGTCTT	CAATGGCGAG	GAGGAGGAGG	29340
AGCACCGCTA	CAGCCAGGTG	CTGGACAGGA	CCCTACGGCT	GCGGGACCAG	CGGGACACAG	29400
AGAGGGCCAT	TTTTCTCCTC	ATCCAGCGGG	TGAGGCTGAC	ACGAGGGGAC	ACCCTGGTGT	29460
CTGGGTGGGA	TCGGGACATC	CCCCTGAGC	CCCATCCCCA	CAGGTGCTGC	AGTTGGCCGT	29520
GCAGGCACTG	GTGCTGTACT	GTGGGCACCA	GCAGCTCCAC	GAGGGGACCC	TCACTGCCGG	29580
CGGCCTCGTT	GCCTTCATCC	TCTACCAGAC	TAAAGCTGGC	AGCTGCGTGC	AGGTGAGGTC	29640
AGGCAGTGCG	TCCTCTGCCA	CCGGATCCCC	ATGACTGTGG	CCACATCCCC	GTGTCCCCAC	29700

Figure 34k

E1REV.txt

CCTGGGTGCT	GTGCCTGGGG	GTCACATCCC	CATGTCCCTA	TCCTGGGTGC	TGTGCCATGC	29760
AGGCACTGGC	GTACTCCTAT	GGTGACCTTC	TGAGCAATGC	AGCGGCCGCC	TGCAAGGTCT	29820
TTGATTACCT	GAACCTGGGAG	CGAGCTGTGG	GTGCTGGTGG	CACCTACGTG	CCCACCAGAC	29880
TGCGAGGCCA	CGTCACCTTC	CATCGGGTGT	CCTTCGCCTA	TCCCACTCGC	CCTGAGCGCC	29940
TCGTCCTGCA	AGATGTCACC	TTCGAGCTGC	GCCCCGGTGA	GGTGACGGCG	TTGGCGGGGC	30000
TGAATGGCAG	CGGGAAGAGC	ACCTGCGTGG	CACTGCTGGA	GAGATTCTAT	GAACCTGGGG	30060
CCGGGGAAGT	GCTGCTGGAC	GGGGTGCCGC	TGCGGGACTA	CGAGCACC GC	TACCTGCACC	30120
GCCAGGTGAG	GGGGTGGGGG	GAGATGTGGC	TGCACTGAGC	AGTGCTGGGG	CTGAGCCTCT	30180
GCCCTGGGGC	AGGTGGCACT	GGTGGGGCAG	GAACCCGTGC	TCTTCTCTGG	CTCCATTTCG	30240
GATAACATTG	CCTACGGGAT	GGAGGACTGC	GAAGAGGAGG	AGATCATAGC	AGCTGCAAGG	30300
GCTGCGGGTG	CTTTGGGCTT	CATCTCTGCA	CTGGAGCAAG	GCTTTGGCAC	TGGTGAGTGC	30360
TGGGGAGCAG	GGGGGGACCC	GGGTGTCTGA	CCCCACTCAT	CCCCACCCTC	ATCCTGCAGA	30420
CGTAGGGGAG	AGAGGGGGGC	AGCTGTCAGC	GGGGCAGAAG	CAGCGCATCG	CCATCGCCCC	30480
CGCTTTGGTG	CGGCATCCCA	CCGTCCCTTAT	CCTCGACGAA	GCCACCAAGT	CTCTGGATGG	30540
GGACAGTGAT	GCAATGGTGA	GCACTGAGCA	GTGGGTGGGG	GGAGGGTCTG	GCCCTGCAGT	30600
GCATGCTGAT	GGGCAGCTGT	GTGTCCTACA	GCTACAGCAG	TGGGTGAGGA	ACGGAGGGGA	30660
CCGGACGGTG	CTGCTCATCA	CCCACCAACC	ACGGATGCTG	GAGAAGGCAG	ACCGCATTGT	30720
GGTGCTGGAG	CATGGCACGG	TGGCTGAGAT	GGGGACACCC	GCCGAGCTGA	GGACCCGCGG	30780
CGGACCCTAC	AGCCGGCTGC	TACAGCACTG	AGAACCATGG	AGCAGCTGGA	GTGGCATGCG	30840
ATGGGATATG	GGGAGCAGTG	ACTGCCTCTG	CTTCCAGCTG	CAGGATGGGA	TGCTCTGGGA	30900
TTTGTGTGGA	ATAAAGTGGA	GATGCTTTGT	AGAGGAGTGG	GTTGGGATGT	GGGGGGTGGG	30960
CAGCTCATCC	TCAGTGCAAT	ATTGGTTATG	GAAGCTGAGT	GTTTGCCCTC	AGTTGCAGCA	31020
GCACTGTAGG	TTATGGAGGA	GAGGCACAGC	TCAGCCCGAA	GTGGGACGAA	GTTTCCAGCC	31080
ATGTCTCCAT	ATGAAAGCCA	TGCAGATACC	AAGGAGAGTG	CAAGGGCAAA	TGCTGGGAGA	31140
AGAGGGAGAG	CAGCAGTGTG	TGATGGAGTG	ACAAGCAAGG	AGTGTGGGGT	GGGCACAGGA	31200
CTGCAGGGGG	TGGGAGGGAC	TTCTGTGTTT	CCCAAGCATT	TCCCTACAGC	AGTCACACCA	31260
GGTGGGCTTT	GAGTATCTCC	AGAAGAGACC	CCCACCTCTG	GTCAGCCGTT	GCAGTGTTCT	31320
GTGTGATCAG	GAATGGACAA	AATGGGGCTC	ACTGAGGTCA	CTGTCAGCCT	CATGTCCGGG	31380
CAAGGGAAAG	CTGGCCAGAC	CAGACCAGTC	TGTGGGAGGG	AAAGGAAAGA	AAAAGTGGTC	31440
TTGCTAGAGA	TGTACCTGTG	GGGAGAGGTG	AGGGGGAGGA	ACACGGAGGC	TATCCCAGCA	31500
CACAGGGATG	GCATCACAAA	AGCCAGAGTT	CATCCTGGAC	AGCACTTCCA	GGACATGAAG	31560
CTAGCAACCA	TCAGCGTGGG	GGCACAGGGG	GGAGGTGATG	TGGGATGGGG	GGAATGGGGA	31620
GGGCAAACAG	CAGCCGGAGG	GAGGAGGGCA	GGGTGGTGGG	CACTCAGTGC	AGGTCCATGC	31680
CTGCATCCAG	AGAAGCCGAG	CCAGGACACG	GCCCCCTCAC	CCATCCCCAAC	CCAAACCACA	31740
GCACAGAACA	GACTGCGGGC	AGGCTGAGAG	CAGATCTGCA	GGGCCACCAT	CAGAATGGTT	31800
CTGATACACA	GGGCATCAGA	AGCCTGTCCA	CAAGTTGGAT	CCTCGTAGCC	AGAGGGTAAG	31860
GATGTGCAGT	GCTGATGGTG	ACGGGGCGGG	CAGCCCTGGT	ACAATGGGTA	GTGGTGTGGG	31920
ACGGGGGAGA	GGTGTGGCAG	CAGGGACCCC	CCCACGAGGT	GCTGCGCCCC	GGCAGCCTTC	31980
TGCGGGACTG	GGGACAACAG	GGAGCACCGG	GGGAGGGGGA	CAGAGGGAGA	GGGATAGCGG	32040
GAGTTATGGA	TGGGGAGGGC	AGGGGGTGGT	GGGATGTGGG	ATGGGGACAC	TGCACGTTGG	32100
GGACACTGAG	GGTGGAGGTG	GGGACACCGG	GGCAGCGACA	AGGGACCACA	AGAGCTGTGC	32160
CGTGGGCACA	TGGATGCCGA	GCCGGGCGCG	CTGCGGTACC	GCTGCTGTAC	GACACACAAC	32220
GGCCACTGCA	TGGACTGCAG	TGCCACTGAG	TGCCACCAGG	GCCGGGGGTG	GGACACAGAA	32280
CTGGGAATAA	AGCCGCATGT	TTGTACCCGG	GTGTGTTGGG	ATCTCAGCGC	GGGGAGTCCC	32340
GGTGCTGTAA	GAAGTGCAGG	GAGAATGAGG	GACCCCCAGA	GCCCCCTCCC	CCCAGGGAGA	32400

Figure 34/

E1REV.txt

.AGAGCGGAGC	CCACAACAAC	AACAAATCGG	GGGGGAAATA	AACCAGAAGA	CGGCTGGAGG	32460
GCAGCAGAAC	AAACGTATTT	ATTTGGGTGT	AGGGTACAAT	GTGGGGGGAG	GGGGCCCAGC	32520
AGGGACAGGA	GAGCTGGGGG	AAGGGCGGGA	TGAGGGAGGT	GGAGTGGGCA	AGGTTGTGGG	32580
TGAGGATTGC	AGAGGCAGCT	GGATGGGCGG	GGGGGGAGGG	CAGAGAAGGA	AATAGGAGTG	32640
CTGTGGGACA	GCAACCTGGG	GGGGAAAGTG	GGTGGATATG	TGCAGTGAAT	GCTGGGGGGA	32700
GGACCAAGGA	GACCACATCC	CAACAAACAG	GGATGCCATT	GGGAAAATGA	GAGTTCTGCC	32760
AGGACAGGGA	GCAAGCAACC	ACCAGCATGG	GGTCACAGAG	GAGAGGTGAG	AAGGGATGGG	32820
GGTACACAGG	GGGGAGTGAG	CAGCAGGCAG	ATAGAAGAGG	GGAGGGCAGT	GGGTACTCAG	32880
CACAGGGCCA	CATCTGCACC	CTGAGCAGCC	AAACTGGGAC	ACGGTCCCCT	CATCCACCCC	32940
ATCCCCAACC	ACAGCACAGT	GCAGACTGCA	GGCAAGCTGA	GCACAGAATG	GCCCATCATT	33000
TTATTTTCACA	GGAAGCAGTG	CAGGCAAAGC	ATAACAGTCA	GCATAGGAAG	CAGAATGAGA	33060
TGTGAGAGGT	CAAGAGGATG	GGGCTGTGCC	CATCACTGAC	CCCAAATGCT	GGTGTGGACT	33120
GTTGGCTCCT	TGCAGGCTGA	AGCACAGCAC	TCAGATGGCG	GGGTTGCTCC	CTGTGGGGAT	33180
GAGAAGGGAT	GATGTCCAC	GGGGCCAGGT	TCACATCCCA	ACCCTCTGCT	CCGGGGGTCT	33240
CCCCGCAGAG	CCCCAGCATA	GCCCAGCCCT	GGGCAGTACC	ACAGAGAGCA	CACGGACCCC	33300
TCCCAACCCA	CAGCCCCACA	CCGCACCTGT	GCTCGAGCTG	CTGGATCCAC	CTTCCCTGTC	33360
TATAAGGGAG	GAACAGCTGT	GAGATCCAGC	CCTGTGCTCC	CTATGGGGCG	TGGAGCAGCC	33420
CCAAGCACCA	GGAATGGGTA	CCCTGGGAGA	AAGTGCAGAC	CCCAGGACCG	CCCTGGCACT	33480
GGGCAGAGGT	GGGGGACAGC	GCTGCCCTCA	TCACTACCCG	GGCGCGATGT	TGTAGCCCTT	33540
CCCCTTCTTC	CCTGCAGACA	GAGAGATGCT	TCAGCACAGG	TTCACATCAC	AGCCAGGCTG	33600
AGGGCTCCCA	AGGGGGACCC	AGATCCCCCC	ACTGCCCCGC	TGCACCCCTC	TGCTTTTACC	33660
TGCATGGCGT	CTGTAGATGA	TGAATCCAAC	ACCAACCATG	ATGGCAATGG	CCACAATGGC	33720
GACGGCCACC	CCCGCCACGA	TGGGCACCAG	GTTGGGCTGT	GGCGGCTCTG	GGGGAGAGCG	33780
GGGCCATCAG	CAGGGGAAGG	GGCAGCCCGC	AGCCCCCCAG	CCCCACATCC	CCTCACTCAC	33840
CCCACGAGTA	GAGGCCGGGC	TGGGGCAGGC	TGGCGTGCTC	CACGCGGCAC	TGGTACTTGT	33900
CCCCGTCCCC	CGGCTGCGCA	TCGATGGTGA	CCCAGGTGTG	GTAGGTGCCG	TCGCCGTTGG	33960
GCACGATGCC	CCCCGAGTGG	GCGTCCTGGC	CCCGCACCGC	GCCGTCCCTT	AGCCAGCTGA	34020
CAACGATGGG	CCGCGGGTAG	AAGCCGTGAG	CGCGGCAGGA	CAAGGTCAGG	ATCCCGTCGG	34080
CCTCCTTCCC	CCACACTCGC	ACCTCGGGCC	GCTCTGCGGG	CGGGCGGCAG	TGAGGGCCGG	34140
GCTGAGCTCC	CCACGCTGAG	CCCCCGCCCC	ACGTCCAGCC	CCACACTGCA	GCCGCTCCCC	34200
CCCCCACCCC	GCTCACCTCT	CCTGCCCAGC	TCAGCCTTCC	CGTATTCCAC	GTATCTCCGC	34260
AGCCACTCCA	CGCAGGTTTC	CTCCAGGTAA	TTCTTCCACC	TCTCAGGTTT	ACTCTCTTCC	34320
TCCCATTTCC	TCTTGGTGGG	AACTGCCTCT	GGAAGTGCCG	CAGTGAACGT	CATCGTGCCCT	34380
TTGTCTGAAG	CAGTGAAGTC	TCTCCCATCG	TAGGCCATCT	GATAATACCC	CCGGATGGGG	34440
CCGCCCTCGA	GGATGTCACA	GCCGTACATC	CACTGCACCG	TGTGAGACCC	TGAAACACAG	34500
CCGGGCAGGG	GGTGAGGGGC	CCCTCCGGCT	CCGGGGCTCC	CACTGCAGCG	GGGATGGGTT	34560
GGGGTCCCCC	CGGGACGCGG	CACCCGAGC	GCGGTGGGGC	TGTGACGGGC	AGCCCCGGGA	34620
CGGTGCCGCC	GGGCAGGGCC	AGGCCTGGGG	GGTGTGGGCG	GCACTGCGCC	ATGGAGCCCA	34680
TCCACACCCC	ACGGAGCCGC	GGCCCCGGCC	GTGCTCACCG	CCGGTCTGGT	TGTAGCGCCG	34740
CTGCAGTATG	CCCAGGTTCT	CGCGGTCAAT	CTGCTCATTG	CCCTGTCCGA	TCTGCGTCTG	34800
TCCATCCCAG	TACTGCTGGT	CCGCCTTGGC	CGCTATCCAC	TCGGTGCGGG	GCACGTACCT	34860
CCGCGCGGTG	CTGTTGTAGT	GCACGAAGAG	TTCCCCGTCC	ACGTACCCCA	CAGTCACGAA	34920
CCACGGCTGC	CCGGGGCCGG	GATCCGTCAT	CGCCGTTTGG	ATGTACCGCA	GGGTATGGAG	34980
CTCTGCGGGG	ACGGAGCACA	GCGGGGCCGT	GAGCCGCGGG	TGTGGGTCTG	AGGATCCCAC	35040
GGACACAGCC	CCGGGGTGGG	GTTACGGGCG	GGGAGGGGTC	CCGGTCCGGC	CGCACTCACC	35100

Figure 34m

E1REV.txt

GGCCGCCGCC	CCGCACACGG	CGGCGAGCAG	CAGCCCCAGG	CCCAGCGCCC	CGCACGGCCC	35160
CATCGCCTCG	CACCGCTGCA	CTCTCAAGTC	CGCCGCACCC	AGCGCAGCTC	CTTCAGCTTT	35220
TCCTACTCCT	CCGCCCCGCC	CCGCGCCCCC	ATTGGCTCCT	CCGTGCGCTC	TCCGCCAATG	35280
GTAGTTGGAG	TTTTATGTGA	CGTCATCGGG	CGCCAGGCAG	AATGCGCTCC	CTCAGGTTGT	35340
GAAGCGAAAG	CGAAAGCGCG	GAGCGGGGGA	GGGGATGGGC	GCGGTGTGGG	AACCCCCGGC	35400
CCTTCGAGCA	CGGGGGGGCA	CCCGGGCTGT	GTTCGCACGG	GGCCGCGTCC	TTACCCCCGG	35460
GGAGGGGGCC	GAGGGTCTCT	GCCGGGAGGA	CGGGGGCCGT	GAGAAGAGGA	GGAGTCATTC	35520
TCCATTCCAG	TCAAGGAAC	GTTTGGGGGG	GGGGTCACAT	CCATAGGGTT	AGAGGCTCCG	35580
TGTCCGGGGG	GGAGGGGGTG	GTGACAGTGG	TGTCCCCCAG	GGCTTCCTTT	GGGATCAGTG	35640
CCATTTCCCC	ACAGCGCCGC	CCCACACCGC	TTCCCCACAT	CCACGTGGTC	CATCTGAGGT	35700
CGATGCCCTC	AGGGTCTGCA	GGTGGACCCC	AATGTCCACC	CCCCAAGTTA	ATGATTGACC	35760
CCAACCCCGC	TGTCCCTGCG	CCACTGCTCC	CATCTGCCCC	ACACTGCCGG	AGCCATGGGG	35820
CCTCACTGGG	CCTTCAGCCT	CTTCCTCCTC	CTCTTCCTCA	CTCCCTTAAT	GAGGGCCAGC	35880
TCCCAGGACC	CTGAGTATGG	GGCTATGGGG	TGTTTGTGGG	GTAGCTATGG	GACTATGAAT	35940
GTTCTGCAGT	GCCTATGAGG	GAATATGGGG	CACTGGTGGG	GCTGGGGGCT	GCTATAGGAT	36000
TGGGGTGTGA	TGGAGTCTGG	GGGGACTAAG	GGAGATTTCT	GTGTGGTTGG	GTGGGGTTAT	36060
GGGGCCAGAG	CTGGGGGGAT	TCCTATGGAC	CTAAGGGGTG	TCTGGATGCT	TATGGGATCT	36120
GGGAGGGCTT	ATGGAGCAGT	TATGGGGCTG	GTGGCTCAAG	CAGTGTTCCT	TCAGGTTGGT	36180
GCTGGTGGCC	CCCCGGCGCG	TGGCCTTGGG	GACCCCCATG	GGGCTGTTGC	TGGCAGCTGT	36240
GGGGCCGGTG	ACCGGGACGG	TGACTGCATG	GGCTGAGGGG	GACCGTGGGG	CTGGGCCCTG	36300
CACCCCTCCA	GTCCCATTTG	CCCTCACACC	CCACAACAAC	TTCAACCAGC	TCCTACAAAT	36360
TGAGGTATGG	GGACACCGGG	GGATATGGGG	ACACTGGGGG	ATGTCCTCTG	GGGTGAGGGG	36420
GTTGGGGACA	CCCCTGTGGC	ACACAGGGAT	GTGTGCACCC	TTGGGTCCCC	TCCTGCCATG	36480
TCACCCATGT	CACCTCACAT	CTCCTTCCCC	AGAGTTCCCC	CCATGTCCCC	ATAACCCAAA	36540
CACCTCCTGC	TGTGTTCCCA	TGTCCCTTAT	AGGTACCCCC	AGTGCAGGCA	GAGCGCTGTG	36600
GGGCGCTGTG	GGGTCGGGGG	TTGCTCCTGG	AGGCCACACG	CTCCCATCTG	CCCCCCCCCA	36660
GTACCAGGAG	TCTGAGTGTG	GCCCTGGGGG	GGCCGCGGGG	TCACCTCATT	GTGCAGACAG	36720
ACAAACCTCT	CTACGCCCCC	CGACAGACTG	GTGAGTGCTC	CACGTCCACC	CTAAAGCCAT	36780
CCCTCATCTG	CCCACAGTTC	TCCCCCAGT	GCCCCAAATG	CTCCAATTCC	CCTAAATCAA	36840
CCCCAAAATT	CTCCCCAAAG	CCCCTCCAAA	TCTACCATGA	ATTCCCCAAA	TCCACCCATT	36900
TTCACCTTAC	ATTACCCCAT	TTACCCCAAA	TTCACCCCCA	GCACACCCCA	AATACCCCTG	36960
GTCACCCAAA	GTCCCCCAAA	TCCCCTTCAA	ATTCCCTAAA	TCCATAACCC	CCATCTGTCC	37020
CCATGTGTCC	CTTTGTCCCC	AGTGCCTTTC	CGGGTCTTCT	CCATGGACCC	CGACCTACAG	37080
CCGAACCCCG	AACCTGTCCT	GGTCACCATC	ACGGTATGGG	CCCTATAGGG	CTGGGGCTGT	37140
GGGTGACCCT	GTGGGGTTTG	GGTGACCCTA	CAAGGCTGTG	TACCCCATG	TACCCCCAGA	37200
ACCCGTTGGG	TGCACGAGTG	CGGGAGGTGC	AGCGGGTGCC	CCTGGACACG	GTGCTGAGCG	37260
ACCAGCTGGT	GCTGCCTGAC	ATCGCCCTGT	GAGTGGGGCT	ATAGGGGGCT	ACAGAGGGCT	37320
GTGGGGTGCG	ACAGGGGGCT	ATGGGGACTG	GGGACTATGG	GGATTTGGGG	CTACAGGGGC	37380
TGCAGGCGGG	CTAGAGTAGT	GGGGGGGATT	ATAGGGTTAC	TGGGGCATT	CAGTGGCCAT	37440
AGAAGCTATA	GAGGGCTGTG	GAGAACTATA	GGATACCTTA	GGGGCCATAG	GGGTCTACAG	37500
GGGTATATAG	TGAGCATGGG	GAAACATAAG	GGCCATAGCG	ACTCCGGAGG	GCTGTAGCAC	37560
ACCATAGGGG	CCATAAGGGC	CCTGGAGGGC	TCTAGAGGAC	CACAGAGGTG	TATGGGAGGG	37620
GCTATAGGGG	ACTATAGGGT	ATAT				37644

Figure 34n

E52FOR.txt

ACATGGGAAC	ACATGAGGAC	AGGGAGAAAC	TGCAGGGACA	CAGGGACACT	TGGGGGATAG	60
GGGGATGGTA	GTGATGCATG	GGGGGGGGCA	CATGGGGATG	TGTTGGGGCA	CACTGGGATG	120
TGTGGGGATA	TGGGGACACA	TGGGGAATAT	GGGGATGAGT	GGGGACATAT	GGTTATTATA	180
GGGATGTATG	GAGACATTGG	GACACATGCA	GAGGAGGGGA	CAAATGGGGA	CACACTGGGG	240
GACAGATAGG	GACATGGGGA	CACCCAGGGA	GGGACACCCC	AAGTTCCCCC	TTACCGGCGG	300
CAGTGATGGT	TCCTTCTGTG	CCCATCCCCC	CCTGCAGCAG	CGCAGTGACA	CCGTACTGCG	360
GGGTCCCCAC	CGCCGCCACC	CACCACTGCC	CCCCCGCGGT	TGGGGGGCTG	CGGGCGTCGG	420
GGTGCAGAGG	GCGGCTCCAT	GGGTCAGAGC	CGGTCTGGGG	GTTCGTGGGG	TTCAGTTCGC	480
AGCTGGGGGG	AGTCCGGGGG	GGGACCCCGA	GTGGGGTCAG	AGTCCCCCAG	GGGTCTGCGA	540
GGGAGAGAGG	AGTGAGAGGG	ATGAAGGGGT	CTGAGGGCAT	GGGGTTGGGA	GGGGTGTGGG	600
GCGTAATGGG	GTCATTTTGG	GGTTAATGGG	GACACTGGGG	ACAGTTTGGG	AGCTATTGGG	660
GCTAATGGGG	TCTCTGGGGG	ACATGGAGGG	GACATTGGGG	ACATTTGGGG	TGTAAT	716

Figure 35

E52REV.txt

TGGCTGATGG	GCTGTGTCCT	ATGAGCGCAA	AACACCACAA	TGGGCAGAAA	AACCTTCCTC	60
CAGAGGACCA	ACCCCATCTC	TATGGCTTCT	TTGCACCTGG	CCTTGCCCCA	AATTGGGTTA	120
TTTTTGAGAA	AAAAATGGGC	CATTTCTCTG	CTGGTTGTCC	AAGCAGCAAG	AGATGCTGGC	180
ATGAGTCTCA	CCAAGCCAAG	AGGTCTGTGG	GACCAAGAGA	ACTCTTTTCT	CTCCCATTA	240
TGATGAGTAA	CTCCACCTTT	GGGCACTCTT	AAGGTGAAAA	TCCTCAAAT	CTGCAATTTT	300
GAAGGCGCAG	CTCCCACATT	TCTCATCCCC	TTTGTTCCTGT	CCATGGCAGT	GCAGGCATTC	360
CAGCCCCATC	CCCAGCCCTG	TGCTCAGTGT	CCCTTCGACT	GGATTGGATT	CAGAGGAAAA	420
TGCTACTACT	TTTCAGAGGA	TGAGAGCAAT	TGGACGAGCA	GCCAGAACAA	CTGCTCTGCT	480
CTTGGTGCTT	CCTTGGCTGT	GTTTGACAGC	GCTGAGGACT	TGGTGAGGGG	GACACAAAAG	540
AGCCACCAAT	GTATTTTGTC	CGCTTGAGGG	CCCCTTGGCT	GCTCTTTCAG	TGTTTCCTTT	600
CTGATTTTGG	GGTGAGGAGG	TGGATAATGG	TTGTCCTGAG	GGTAGGTTGG	GTCTACTCCT	660
CAAATTTCTT	CAAGGGATTT	AAGGGAAAAA	AAAGATGTTT	TTTCTATGAA	GTAACCACGC	720
TGGCTTAGAG	ACTGTGAGCT	TTGGTGATGG	ATTGGGCAGT	TTCAAGCACT	GAGATTATTG	780
GTTGAAAGGG	TTCTGCAGGC	AGTGGCATGC	AGGAAATGTC	CCAGAGCCCC	ATGATCTGTT	840
CCCTCTCCTC	TTTTCCAGAG	CTTCACAATG	AGACACAAAG	GCAGCTCCCC	CCACTGGGTT	900
GGCCTCTCCC	GGGAAGGCAA	AGAGCATCCA	TGGGAATGGG	TGAACCGCTC	TCCTTTGTCT	960
CACCTGTGAG	TTCCCATCCT	TGTCTTGAG	GCTGCAGCTT	CTCCAGCCCC	AAAATGTGGA	1020
TTTCTGGACC	TCGGGAGCAT	TTCTGGAGGT	GGCTTATGGG	GTGAGGAGAT	GTGGGGAAGG	1080
CACTTCGCAC	CGCTTTGGGT	CATAGAAGTT	CATTGAGAGG	CAGAAGTGGC	GCAGGAAAAA	1140
GAGATTCTTA	TTTAATCAAT	TATTTTGTCT	GTTTGATTTC	ACCACTGTGA	TTTCTCTTTC	1200
CCCCCCCCC	CAAACCTGGG	GTCTGCCTGT	CCGTCTGTCT	GTCCATCCAG	GTTCCAGGTG	1260
CAAGGCGATG	GTCTCTGTGC	ATACCTGGGG	GATGCCGGGC	TCAGCTCCTC	CCACTGCAGC	1320
ACGCGGAGGA	ATTGGGTTTG	CACCAAACCC	GCGTTGCAAA	AACCGAGGAA	GAACCTCTGC	1380
ATCAGCACCT	GAGCGGCTCC	CGGACCCGAA	CACGCGATGC	AAGAGGAGGA	ACCCAAAGCA	1440
AAAGAGCTCC	GCTTTCAGCT	GTGCTCAGTA	GCAACAGGAG	GGCGGTGCGC	TCCTCCAGCC	1500
CAGGTCCGAC	AGTGCCGCCT	ATGGGGCTGC	GCGGACCGAA	GCAAATCCCA	GGCGGAGCTT	1560
CGGCTCCAAA	TTACATTTTT	TTGCACCGTC	TGACTCCTAA	TGACCGCTAA	AATCCCAATT	1620
TTGGGGGCTA	TCCGTGCGCT	GCTTGCAACG	ACCTTCACCC	CTGCGCGATG	CAGCAGCAGG	1680
TTTGGGGGGC	GGACGGTGGG	AAAATATCCA	TTTTTCACCG	GTTTTTCTCC	AAAGGGAAT	1740
ACTGGGAAAG	CAATCAGCCC	AAAGGACCCT	GAAATCGATG	AATAAATCGG	CAAATTATTT	1800
ATGTTTCGTG	TTTTCCCTTC	TGTGTCACTG	CAGTGCGTTC	TCCATGAATT	CACTTTTAAC	1860
GGTGTTTTGT	CACAGGAAAC	ACTTCTTCGA	CTCTCTCCAC	CACTCCTATA	TATTCAACAG	1920
ACCAATTCTT	TCTGGTGATT	TTATGCAAAA	ACAAAAGAGT	ATATTTGGTT	AAAGAACCCA	1980
AACCACCTTC	TTGTACTGAA	GGGAATAGAA	GAGCACAGAC	CGCCCGCTCC	CCTCCCCTGC	2040
TGCCGCACAA	CAGACGGTCC	CCGAGGATGT	GCAGACAACG	CGACGCCGTC	TGA	2093

Figure 36

E6G2N15.txt

TAGNAACTAG	NGGATCCCCC	GGGCTGCAGC	TATGGGGGAG	TGGGTGCACT	CCTTGGCCAT	60
GGCTTTGGGT	CCCGTTACTC	TGGAGGAATT	TCCACAGCTG	CCCCAGGAAT	CTTGTACATA	120
AAAGTGCACA	GATCGATCAG	AGATGTCATG	TTCCTGACAG	AAGAAATCCT	GTCTCTTCTG	180
ATGTTCTCTG	TGAAGAGCAT	TGCCACGAGG	GAGCTACCAG	CAGGGCAAGC	AGAGAAATTG	240
AAGAAAACGA	AAGATGGGTC	GAGGTACGGG	ATTGGGCAGG	TTTCACTTTC	TTTAGCAATG	300
AGACGTGTCA	AGCTGGCAGC	TTCCCTGGGA	GCCTCTCTGG	TGTGGATCTC	CGGTGGCCCT	360
AAACCTGGTT	CAGGCACTGA	TCAAGGAGAC	ATTACCCGTC	TTGGTTCATC	TCGGCTCACG	420
G						421

Figure 37

F12FOR.txt

CGATGGTCCT	CCAATGACCT	CCATGGTCAT	CCAGTGCTCA	TCCCGCGGTA	TGGCCATGGT	60
AACCCCATGT	TCACCCTGTG	GTCTCACCCC	AATGATGCCG	TGGTTACCTT	TTCGTTACCC	120
TATTCTCATC	CCATATCCCC	CCTTTCTGTC	CCTCTGCCCC	TTCATGATCC	CCTCATGGTT	180
AACAGACGTT	TCCCTCTGCG	ATCAGGTCAT	GTTCAGCACA	AATTCCTCCA	GGGTTCCCTT	240
TATAGTGACC	TCACCATTAC	CCAATCATGT	CCCCGGTGTC	CCTGAAGGGG	CCCAGATTTC	300
CTCAGTGGGA	CCCAGATGTC	TTCAGTGGGG	CGGGACCTGG	CCATTCCCAA	TGTCATCCAG	360
GTGTCCATAT	GGCATGGGAC	ACAGATGTGC	ACATGGGATG	GGACCCAGGT	GTCCCCACTG	420
TCATCCAGAT	GCCTCCATGG	GTTGGGAAAT	GACCATCCTC	GATGTCACCC	AGATGCCCAC	480
ATGTGATGGG	ACGTGGCCAT	CCTTCATGGC	ATCCCGATGT	CCAGCTTGGG	ATGGGATCCC	540
AATGTCACCC	AATGCAATCG	CAGTGTCACC	CAGATGTCCA	CAAGGGATGG	CACCCAGATG	600
TCCCCAGGTG	CCACTCATCT	GCCTCACCAA	CCCAGGACTT	CCTCCCCACTG	CTCCCCACTGC	660
TCCCAGTTTG	CCCCCATTTT	TCCC				684

Figure 38

G2M13.txt

GATCTTCAGT	GATTTTCAGT	GGTCTTTGGT	GGTCTTCAGT	GCTCTTCGTT	GGTCTTTGAC	60
AAAGATGCAG	AGGAGCACCG	CTCCCAGACG	GACCCCCCGG	GGACCCCAT	TGTCGCCATC	120
CCCACTGGGA	CATGCAGCCA	TTGACCACAG	CCCTCCGGCT	GCGACCACCC	AACTGATTCC	180
TTATCCAAAG	TCCACTCTTT	GCACACTTAC	CTCCAATTTA	GTGATAAGGA	TGTGGCGTGG	240
GACCGTCCCA	ATGGCCGCAC	ACAAGTCCAG	GTAGATGATA	TGGGATGACC	ATGAAGGGAT	300
CACAGAGAGG	AACACGGGGT	GACCACGAGG	AGCAACGAAG	GAAACGCTGA	GTGACCACGG	360
GCAGAAAATG	GTGTGACCAT	TAGGGGACAA	CGAGAGGGAA	CAGAAGTAGT	AAGGAGTGAG	420
AATGGGGTGA	CAAAGAGGTG	ACCATGGCAT	AACTTTGATA	AGACCATTGG	GTGACCGCAG	480
GGTGATGGCC	ATACCATGGG	GTGAGCACTG	GATGACCATG	GAGGTCATTG	GAGGACCATC	540
GGGTGGGACG	AGGGCCGTGG	GGACACCCGT	GGGGCGGTGG	GACGGGGGCA	GAGTGTGAGA	600
AGGAGCCCCG	CGGCGCAGAA	CTCTGCCTGG	AGACGGGTGA	CGCCGCCCGG	CGCCGCCGCC	660
GCTCATTGGC	CCTCCCCGCC	CGGCCCCGGG	CTCGCGGTG	GCGCGGGGTG	CCGGGTCCCC	720
CATCGTCCGG	CGGCAGCAGC	CATGGGGAGC	GGGCGCGTCC	CGGCGGCGGG	GGCCGTGCTG	780
GTGGCACTGC	TGGCGCTGGG	AGCCCGGCCG	GCCGCCGGCA	CGCGGCCCTC	GGGTGAGCTC	840
GGAGCCGCGG	CGCGGGGACG	GCGCTGCGTC	CCCCCGGAG	AAACCCCGCG	AGCCCTTCTG	900
GCCGTGCGCA	GCGCTCGGGG	CTGCGGGGGG	ACGGAGGGCG	GGGGGGGGCG	GCGGAGCCGT	960
GGGGGGCAGC	GGGGCCGGGG	AGGGGGCGGG	GGGTGTGGCG	GGGGGCGGCT	GTGTGCCCTG	1020
ACCGTGCCCT	CTGCCCGCAG	CGTTCCTTCT	CTGCGGTGCG	ATATCCGAGT	GCCACTACCT	1080
GAACGGCACC	GAGCGGGTGA	GGTATCTGCA	AAGGTACATC	TACAACCGGC	AGCAGTTCAC	1140
GCACTTCGAC	AGCGACGTGG	GGAAATTTGT	GGCCGATTCA	CCGCTGGGTG	AGCCGCAAGC	1200
TGAATACTGG	AACAGCAACG	CCGAGCTTCT	GGAGAACCGA	ATGAATGAAG	TGGACAGGTT	1260
CTGCCGGCAC	AACTACGGGG	GTGTGGAGTC	CTTCACGGTG	CAGAGGAGCG	GTGAGTGCCG	1320
CGGGGCGCAG	CGCGGACGGA	CGGGCAGGCG	CCGCGCTCTG	GCGGTGCGTC	CGCAGCGCTC	1380
CCCCCGTGCC	CCGCAGTGGA	GCCCAAGGTG	AGGGTCTCGG	CGCTGCAGTC	GGGCTCCCTG	1440
CCCGAAACCG	ACCGTCTGGC	GTGCTACGTG	ACGGGCTTCT	ACCCGCCGGA	GATCGAGGTG	1500
AAGTGGTTCC	TGAACGGGCG	GGAGGAGACG	GAGCGCGTGG	TGTCCACGGA	CGTGATGCAG	1560
AACGGGGACT	GGACGTACCA	GGTGCTGGTG	GTGCTGGAGA	CCGTCCCGCG	GCGCGGGGAC	1620
AGCTACGTGT	GCCGGGTGGA	GCACGCCAGC	CTGCGGCAGC	CCATCAGCCA	GGCGTGGGGT	1680
AAGGCCCCCG	GGCCCTGCCC	CGCCGCGGGG	GGAGCGGGAG	CGCGGCCCCC	GGCGCTGAGC	1740
CGCCGCCTTC	GTCCCCGCAG	AGCCGCCGGC	GGACGCGGGC	AGGAGCAAGC	TGCTGACGGG	1800
CGTGGGGGGC	TTCGTGCTGG	GGCTCGTCTT	CCTGGCGCTG	GGGCTCTTCG	TGTTCTTGCG	1860
CGGTCAGAAA	GGTGAGCGCT	GGGGAGGGGG	GCTGCGCCGG	GGGGGTCGCG	GAGCGGGGGG	1920

Figure 39

H421.txt

GCTCTAGAAC	TAGTGGATCC	CCCGGGCTGC	AGGATTACCA	GTGTCCCCAA	CTGTTTTTGC	60
CAATCCAAGC	CCTGCAAATG	TACAAATATA	TTAAGTGGTT	TCCTTAGTAG	ACATCTTTAT	120
ATCTCTCACC	AATCATTTAA	CGTTAACCTT	ACTCTGCTTT	CTTCTGTGAA	CAGAAAACAA	180
AATCGGAAGC	CTCATATACA	GGTGTTTCAGA	GGAAAATAGT	AAGTGGTGAT	GAAACTTGGA	240
GAACTTGTGA	AGTGAAATAT	GGGAGCTACT	GCCTCTGGAG	GGAGGAAAAT	AAGGAACCAA	300
TGAAAGATGC	CAAGGTGAAG	CAAATGAAGG	ACCAGCTGTT	TGTGGCTAGA	GCATACTATC	360
CCAGTATTGC	TAAAATGCCT	TCTCAAAGCA	AGTTGACTCG	GGATATGAAA	CAGAATATCC	420
AAGAGTTTGA	GCGTATTCTT	AGTGAAAGTT	CTCAAGATGC	TGACCTTCCA	CCACAGTAAG	480
TTCTCTCCAG	TTTGGGTTTA	ATCATTTTTG	TACTGAAAGT	TTAGTTCCTT	ACTGGAAAAG	540
ATTTTTGTTG	GATTTCTAGT	CACATGAATC	TCTCCTAGTT	TGCCTTCAGT	TTGCCGGACA	600
TCCCGTTTTC	TAGTGGTTTT	ACTTGCTT				628

Figure 40

H4212.txt

TAACCATGAG	TGATAAACT	GCGGCCAACT	TACTTCTGAC	AACGATCGGA	GGACCGAAGG	60
AGCTAACCGC	TTTTTTGCAC	AACATGGGGG	ATCATGTAA	TCGCCTTGAT	CGTTGGGAAC	120
CGGAGCTGAA	TGAAGCCATA	CCAAACGACG	AGCGTGACAC	CACGATGCCT	GTAAGCAATGG	180
CAACAACGTT	GCGCAAACTA	TTAACTGGCG	AACTACTTAC	TCTAGCTTCC	CGGCAACAAT	240
TAATAGACTG	GATGGAGGCG	GATAAAGTTG	CAGGACCACT	TCTGCGCTCG	GCCCTTCCGG	300
CTGGCTGGTT	TATTGCTGAT	AAATCTGGAG	CCGGTGAGCG	TGGGTCTCGC	GGTATCATTG	360
CAGCACTGGG	GC					372

Figure 41

H424.txt

TCCCTAGTAA	CGGCCGCCAG	TGTGCTGGAA	TTCGGCTTAG	CGTGGTCGCG	GCCGAGGTAC	60
ATACCCTGCC	CGCAGTGATG	TCTCCAAGGT	TGATTTAAGC	AACCAGCTCC	TCCCTGCCAC	120
GGCTCCAGGC	TCCACATGCC	TGGGTTAAGG	CTGGGTTTGT	TTTTTGAGAC	AGTGTCTTAA	180
CTATGGAGCG	CTGACTGTTC	TGGAACTCGC	TCTGTAGACC	AGTCTGGCCT	TGAACTCAGT	240
GATCCCCCTG	ACTCTGTCTC	CAGAATGTGG	ATTCTCCCA			279

Figure 42

H4REV.txt

GGATTCTGAC	ACCCCTCCTC	CCCCACCCCC	AAAGGTGTTT	CAGCGCCGCA	TGGATGGGGG	60
CACCGACTTC	TGGAGGGGGT	GGGAGGAGTA	CGTCCATGGC	TTCGGGAACG	TTTCTGGGGA	120
GTTCTGGCTG	GGTGAGGACC	CCAAAACCTG	GGAAGATTGA	GGTCTGGGGT	GGGGGGGGGG	180
AACACCCAGG	GCGGAGAGGG	CTGATGGCTG	CAGGACGTGG	AGTGGGATCC	CTGACGGGGG	240
TGTGGGGTGG	GGGGTGTGGG	GCAGGGGCCC	CAGGTGGGTG	TGTAGGGTGG	GGATGATGAC	300
GATGGCTGTG	GGATGTGGCG	CAGGGAATGC	GGCGCTGCAC	ACACTGACAG	CTTCCGGGCC	360
CACGGAGCTG	CGTGTGGACC	TCTGGACGCC	GTCAGACAGC	GCCTTCGCCC	GCTATCGGGA	420
TTTCGCCGTC	AGTGGTCTCT	AGGACAATTT	CCGCCTTCAC	CTCGGGGCCT	ACAGTGGCAC	480
AGCTGGTGTG	TGTGGGGCAG	TGGGAGCTCC	TGGGGGATAT	TAGGGTTAAC	CTTGACCCAT	540
GAGGGGGGCT	TTTGGGGATA	CCCAGATCAG	GGGGGGGGGG	AATCCTGGGG	AGAGTAGGGG	600
ATGGTCCCTT	TGCCCCACAGT	GAGGGGGCCT	TGCCTTGACG	AGGTCTTTAA	GATCGTTGAC	660
CTGTTGGGAT	CTCTTGGGGA	TCTCCAGACT	GCAGGGAGCC	CCGGGGGTTC	TTGGGGGGCT	720
CTGCCCCACA	GGGTGGTCTC	TGTGAGGGTG	TGGGGGTACC	TGGGGGGTCT	GCGGCTCATC	780
CTTGGGGCTC	TGAATGCTAT	GTGGGTGTCC	TGGAAGGCTC	TCTTTAGGGG	TCCCCATAAC	840
CTTGCTGTGG	GTCCACACAG	GGATGCACTG	TCCTACCATG	CTGGGAGCCC	CTTCTCCACG	900
CGGGACCACG	ACCCCCGAGG	CCGCCCTCGG	CCCTGCGCCG	TCGCCTACAC	CGGAGCCTGG	960
TGGTACCGCA	ACTGCCACTA	CGCCAACCTC	AATGGGCGCT	ATGGGGTGCC	CTACGACCAC	1020
CAGGCATGGC	TATGGGGGTT	GTAAAGGGGT	CTGTGGGGAT	TGTAAAGGGG	TCTATGGGGG	1080
TATAAAATCA	ACCCAATGGG	ACAGGAGGGG	GTCACCATGA	GGCCATGGGG	GTTTTGTGGG	1140
GTAAATGTGG	AGGGCTACCC	CCCCCCCCAAG	GTCCTTTTAG	CCCCATGTCT	CTCCTGTATG	1200
AATATGGAGC	CCTACAGGAG	CTGTGGAAGC	TGGAACACAA	GCTGGAACAG	GGAGGGGATA	1260
CTTTGGGCCC	CCCTGTAAGG	CCTATATGTG	TCTATAGGGT	CACTGTAGGT	TGTTTAAGGG	1320
CATGACCAAG	TCCCCCTTCC	TTTCTGCAGG	GCATCAACTG	GTACCCCTGG	AAGGGCTTTG	1380
AGTACTCCAT	CCCCTTCACA	GAGATGAAGC	TGCGACCGCA	GCGTGACTGA	GAGCACTAGA	1440
AAGGTCGTGG	GTCGCACTGG	AGCCTTTATG	GGGTCAATAA	AGCTGCGAGT	AGCCAGTGCT	1500
GACCCATGTA	TCCCACACAC	TGGGCTCAGG	AGCTATGGGG	GTGGGCAGGG	CGTGAGGCGC	1560
ACGCGGAACG	GGGCACAGCG	CAGCACGGTG	CCAGCAGTGA	CCCCTAAGTG	GGGCAGAGCC	1620
CCATCAGACG	GTGGCTCCAG	GCGGAATCGC	TGTAGGATGT	GCCCCAAAAA	CACAAAGAGC	1680
TCTGCCCCGAG	CCAGCGCCTC	CCCCACACAC	GAGCGTGCCC	CACAACCAAA	GGGCAGCAGC	1740
GCTCGCCATG	GAGCCCCCGG	CTGCAGGAAC	CGCTCTGTGG	GGCAGAACAG	AGATCAGAGT	1800
GGGTGTAGGG	GGAGGAACCC	AGCCTGGGGT	TCAAAGCCCA	CATCTATGGG	GTGGACCCAC	1860
ACATAACGGG	CAGGAACCTA	TCAGGACGGT	CCCAAATCTT	GGGGTCGTGG	TGCGCAGCAA	1920
AGAGGTTTGG	GATAACGATG	GATCCCGCAG	GCACTGGGAT	TCCCGCAATG	CTGGGAAGGG	1980
ACAGAATGCT	GATAGGATGG	ACTGGGAGAG	CCTACAGAGG	CCAAGTGGGA	CATACTGGGA	2040
CCTGCTGAGC	TATCCTAGAG	CTTACTGGGT	GCTTGATGAG	TTCTACTGGG	ACCGACCTAC	2100
TGGTAGGTCC	ATGCTGGTCT	GTAGTGGTCC	ACACTATTAC	AGACTGGTCT	ACAATGGTTC	2160
ATTCTAGTGC	AAAATACTGA	CACGCACTGG	TGCACGGTTC	TGCTCGCAGA	CATGTGGCCC	2220
GCACTGGTTG	GTAATGATCC	CCACTGGTCT	GTATGGCCCC	ATACCAGCCC	GTACTGGTGT	2280
TACTGGCTGT	ACCTGGAGTG	GCGCCGGGCA	CAGTGGGGCA	GCGCGAGGGG	CACGGGGGGT	2340
CGCAGGCGGA	GGGTCTCGGT	GACAGTGGCA	CGGAGCAGTG	GCAGTCGCCC	CATATCCCCT	2400
GGCTTTGGGG	TCCCCCTGGG	GCCCAGCACC	TGGCGCAGCT	CTGCACGTAC	CTGGTCCTGC	2460
ACCTGGGACA	GGGGACACGT	GTCAAAGCAC	GTCACCAAGT	GCCACATCGG	GTCATTGTGT	2520
GGGTGGCCCT	CCCCTGCACG	GGGACACAGG	CAGCAGCGTG	ACACGGAAGT	GACATGAGCG	2580
TGACATTTTG	GCACTGGCCA	CAGTGCAGGG	GACACCAGGG	GCATTATGCA	CACAGGGTTA	2640
TGGACATGGA	TGTGACATGC	ATATGGGGAA	GTGCAGTGGA	GCTATGGGAG	GGGACAGCCA	2700
GGACATGGGT	GGGGAGGCCC	GAATGGGACC	TGGGGAGAAG	CAGGTGTGGG	TGTGACACAG	2760
ATGTGATGTG	GTGTCACCTG	GGGGTGGTGC	AGCAGGAAGG	CCACAGCCCA	TAGCAGAGCC	2820

Figure 43a

H4REV.txt

ACTGCCGTCG	TTTCGGTGCC	ACCGATGAAG	AGATCCACGA	GGGCCATGTG	CAGGCGGTCC	2880
CCCCCAGCG	GCCCCATAGG	GACAGTGGGG	TCCCCCCCCA	GCAGTGCTCC	CAGCACTGTG	2940
TCCCTGGGGG	GAGACGCACA	GCCCTGTGGG	GACACACGTG	TTACCCCTG	GGGCCCTGTC	3000
CCCCCCTGT	ACCTGTGTCC	CCACGTTCCC	CACCTGGTGC	CATCGGATCT	GGGACTCCAC	3060
AAAGGCATCG	CGGCGCTCCA	CCAGGCGCAG	CAGCTCCCGC	AGCCCTGCGT	TGGGCAGCAC	3120
CTGTGGGGCA	CAGGGACCCC	CCCCAGTGCT	CCACAGAGCA	CCCCTGGACC	CATAGGGACC	3180
CCATATTCCC	TCCCAGCCCC	ATATATAACC	CCCCCCCAGG	GCGATATAGC	CCATCCTTAG	3240
TATAGACCCC	TGCAGCCCCA	TATGGACCTA	TACCACCTCC	TCTTATGACT	ATATCCCGCA	3300
GCCCCACGCC	GATCCTATAT	GCCCTGTAGG	GCCCTGTAGG	GCTCACCTTT	AGTGAAGGCA	3360
GCACATCCAG	TGCCCCGCACA	CTGGCCCCGGC	CCCACACCTC	CAGCAGTTCC	ACCACACAGC	3420
GCGTGAAGGA	GCGCACCTCC	GCCTCGGGGG	GCATCTGTGG	GGCACAGGGC	TTGGGGTTCAC	3480
CCCAGAGAGA	CTCCTGAGTC	CCCCCAGAGA	CTCCTGAACC	CAAAGAGGTA	CCGTGGTTCAT	3540
TTGGATCCCT	CTAGAGGTGA	CTGGGTTCCC	AAAGGGACAC	CTCAACACTT	GTGTCCCTTT	3600
CAGGGGCACC	TGGATATCTG	GGACTCCAAG	TGGCACCTGA	GCATTTGGGA	CCCACCCTCC	3660
TTGGACACCT	GGGTACCCCC	AAGGACACCT	GGGACCCCTT	CAAGTGGCAC	GTGGACATCT	3720
GAGCCCCCTG	TAGTGGCACT	TGAGTCCCCC	TGCTCCCCCA	GGTGACACCC	AGACCCTGCA	3780
GCCCCTCGAT	ATCCCCACCA	GGTCCCCGAA	GGCAAGGCGG	CAGATGGTGC	TGCAGGTGTG	3840
GAACGTGAAC	GCCTCAAAGA	GGTCCACTGG	GGCAGCCCCA	TAAGAGCTCA	ACTCCTGTGG	3900
GGTGAGAAAT	GGGGTCACTG	AGCGGGTGCG	GGTGCCCCAC	AAGGGGGGTT	GGGGTGAGTC	3960
AAGGGGACGG	GCAGCACAGC	CCTGGGGCTG	ATGGGGTCCA	CCTGGGGTTG	GAGGGCCCTG	4020
TGTTGGGGTG	CTCACCTGGC	ACAGCGCCCA	GCCCTGCAGC	TCCAGGAGGG	GCTCCAGGTG	4080
CCTCACAGCT	CGCGCCAGTG	CTCCCCGCGT	TGCCCCCGCG	TGCCGTCGCC	ACTCTGGGGA	4140
TGCATCCCCC	AGCGCCAGGT	CCTGCCCCCC	CCGCGACACC	AGGGACGCTG	TGGGGTGACA	4200
CCCATATCAC	CCTGGCACCC	ATGTGACCTC	CGAGAACCCC	TCAGACAGCT	GTACGGATCC	4260
TTGGGGACAC	ATCCAGAATC	CCCCAGGCAC	CCACTGGGAT	CGCTCCAGCA	CCCATGGGGA	4320
CTGTTAGAGA	TCTCCTCCCC	CCCCAAAAAT	ACAACCAGAC	CCCTTCAGAG	ATCATGGGGA	4380
CCCCCCCAGT	ACCCCCTCCA	GATACCCAAC	AGTGACCTAT	AGAGACCTCC	CTCCACCCAA	4440
AAGCCATGGG	GACCCCTCAG	GCCCCCCCCC	CAGACACCAA	TTAGTACCCC	CCAGAACCCT	4500
TCAGAAACCT	ACAAGGACCC	ACCAGAACCC	CCTCAGATAC	CCATAGAGAT	CTTTACAGAC	4560
CTCCTCCTGG	GACCCCTCCC	AGGAGCACAA	ATCCCCAAGA	ACCCCCCTTG	AAGATTACAC	4620
GGGACCCCCC	TCTGACTCAC	CCCAAACCCT	CATGGGGACC	TCCCAACCCC	TACAGCCCCC	4680
CCATACCCAG	GTAAGTGTGG	GGGCGTCCCA	CGAAGTCCCC	CCAGCGCCGT	GCCAGTGCCT	4740
CACGGATGGC	TGCTGCAGAG	CTCAGCACCA	CCACCTCTGG	GGGGGTGGGG	GGGGAGGGGC	4800
AAAAAATGAG	TGAGTTGGAA	GGAAGGGACC	CCATGGGGAC	CCCAAAAACC	AGGGAGAGGG	4860
GAGAGGTGAG	GGGTGCCAGA	ACGGAGTTGG	GGGGGGGGGG	GGGAGGGATC	CCAAATTATT	4920
TTTTGGGGGG	GGGGAGTAGA	ATGAGAGGAC	AAATTTGAAG	GGGAGCAGAA	GGGAATTGGG	4980
GGACAGTATG	TGGGGGTTCC	TCCATCCTCT	CAATGGGTAA	TTCTGGGGAG	CCTGTGAAGT	5040
TGAGGGTCCT	AAAGGGGGAA	GGCTCAAGGT	CCCAAGGAGG	GAAGGGTTAT	GGGGAAAAGG	5100
GGGTAATGGT	GGTCCCAAGG	GGTATCAGGG	GGATGGGGGG	GGGGGGGGGT	CATGAAGGTG	5160
CCGCCCTTAC	TCACCACACC	CCCCCAAGCG	CAGGCATAAG	GGGTCCCCGT	AGGTCCGGGC	5220
AAGGATGTGG	AGGTGCCGTG	GCCCCCCTGG	GTGCAGGAGG	TGCAGGGCCC	CCCCCACGG	5280
TGCTCCCCCC	CGCCTGGCTG	ACCCCCCCCC	GATCAGAGCC	AGGAGAAGTA	GCAGCAGAAG	5340
TATCGTCACC	GCCATTGTTC	TGTGGGGTGG	GGGGCCCCAG	CTCTGCCCCC	ATAACACCTT	5400
ATGAGGAGGA	GGTACCCCAA	AAGCTCCACC	CCCCCACATC	CAAACCCCTC	CTACCAGAAG	5460
AGGGGCATTG	GGTTCACTCC	CCTAAAATTA	TTGTGTGCCC	ACCCCCCTCT	TCAAGTCATT	5520
ATAAACTTTA	CAGGGGTGTC	CTCATAAAAA	TACAGGAGTG	TGTCCCCCCA	CAAAGTGCTC	5580
CCAGAACCAT	CGGGTGCCCA	TCCCACAAGA	AAATCTCTCA	AACTCCCAT	GTGTGCCCCC	5640

Figure 43b

H4REV.txt

CAACCAACAA	AGATTCTCTCA	AACTCCCCC	CCCGCCCTCT	ACCCATATAT	CCTCCCAAGC	5700
GCTCCCCACC	CCTCCGCACA	CCACCTCCCC	AAATCCTCCC	CCATTACCAT	AATCCCCCCC	5760
ACCCCAGCAG	CAGAACCCCA	TCACCGCTCT	GTGCGTCTGT	GTGTGTGAGT	AGGGGACGGG	5820
GTGTTTATTG	AGGGGAGGGG	GGAGGGGGGA	GAGCGCTCAG	AACCCCTCCC	CCTGCAGCCC	5880
CCGCAGGCGC	CGTGCCAGCT	GCAGGTCTTT	GGGGTACAGT	GTGACGCGGC	GCGCATGCAG	5940
CGAGCACAGG	TAGGCGTCCT	CCAGCAGGTG	CACCAGGAAT	GCCTCCGCCG	CCTGTGGGAC	6000
CCCGGCGTGG	GCGTCCCCAC	AAAGCAGGGG	GGGAGTCAAT	TCCCACCCCC	AGGCCACCCC	6060
ACAAATGCCA	ATCCTCCAAA	ATAATCCCTG	GAACAACCCC	AAAAAAACCC	CTACCCCCAA	6120
CCCCCCTCCC	CAAAACCATA	ACCTCAATAA	CTCCACACCT	CAAAAACCTC	CAACCCCTCC	6180
AAAACAACCC	CCAACCCCGA	AACACCTCAC	CCCCAAAGAC	CCCTTCCCAA	GCCCCAAAGA	6240
GACCCCCAGG	CACAAGGGGT	ACCCCAAAAT	CCACTTCCCC	CTTCCCCCAA	AAAAGCCCTT	6300
TTGGGCACTA	GAGAGCTCCC	CAGCACCACC	CAAAGGGTCC	CCCACGGTAT	GGGGTACCCT	6360
AAAACACCCC	CCAACCCCAA	ACCACGGGAA	CTTCCAAAAC	AAAGCTACCC	CCCTCCCCCC	6420
CCCCCAGAAA	AAATAAACCC	ATAGGGCCCC	CCACCTCCTG	TAGGGCCAAT	AGGGCCATAG	6480
CCTGCCACCT	GTAGTCCACG	CCCCGTGTGA	AGAGCAAGCA	GATCTCCCGC	ACCTGGGGGG	6540
GGACAGGGGG	GCATGGGGAC	ACTGGGGGGA	CATGGGGGGG	GGGGGGGGAG	GGGGGGGGGG	6600
GGGAGGGGCA	TGAGGACATT	GAGGAGAGGG	AACACGAGGG	TGGCACTGCA	TCATGGGAGG	6660
TGACGAGGGG	GTGGGGGGGG	CTCAAGGACA	TGGAGGGGGA	CACTCA		6706

Figure 43c

H6FOR.txt

TTGCTGCCTG	CAGGTCGATC	TAGTGGATCC	GCCGCGACAG	CGAACAGGCC	AGCCAGCTGG	60
TGCAGTATCT	TTCCACTTTT	TTCCGCAAAA	ACTTAAAGCG	GCCTTCGGAG	TTTGTTACTC	120
TCGCCGACGA	AATTGAACAT	GTGAATGCTT	ATCTGCAAAT	TGAAAAGGCG	CGCTTCCAGT	180
CGCGGTTGCA	GGTCAACATT	GCTATTCCGC	AAGAATTATC	CCAGCAGCAA	TTGCCC GCGT	240
TTACCCTGCA	ACCC					254

Figure 44

Conti205.txt

TGCTGGTGGC	GGGGATCTGA	CTGGAAATGG	AAACGTTCTG	TGGCAAAGAG	TGGGAATGTA	60
GGAAGGGGGT	GGGAGCATGC	AGGGTTGGTG	GAGCAGGGGG	TAGTGATCAG	TGGTGAGGAT	120
TTGGTTTCTT	GGTCTGAAAT	ATGGATGGAA	GCTTTGTTGG	GAGAGTGAAT	GACTTTTTCAG	180
TGAGGACAGG	TGGATGCTTG	GGTGAATGCT	TGGTAAGTTG	TTGAACGCCT	GGATAGTTGG	240
ATGGGTGGAC	ATGAACTTTG	TATTACAGCT	GCAGCTCCAG	CACAGAAGGA	ACCGCCATCC	300
CAACCACGCC	TGGGTGAGCT	GACGGCCTCC	CACGTCAGCC	CCGACTCCGT	CCAGCTGGAA	360
TGGAGCGTCC	CCGAGGGCTC	CTTTGACTCC	TTCACGGTGC	AGTACAAGGA	TGCACAAGGC	420
CAGCCACAGG	TGGTGCCCGT	GGACGGTGGG	TTGCGCACAG	TGACCGTGCC	CGGGCTGTCT	480
CCGTCCCGCC	GCTACAAGTT	CAACCTGTAT	GGGGTGTGGG	GGCGGAAGCG	TCTGGGCCCC	540
ATGTCCACTG	ATGCTGTCAC	AGGTGAGCAT	GCTGTTGTGC	TGCATCCATG	TCTTTTGGCT	600
GACGGTTGTG	TTGGCATATG	GTAGGAACCT	TTCAGGCCCA	CTCCTGGTTA	CTGTGGTCTT	660
AATAGAGAGG	GAAGTTCTTT	CCTGTTCTTG	ACGTGGGTAG	CCTGGAGAGA	TGGGAGTATG	720
GAAGATGAGA	GGAAGAACGG	AATAAGGAAT	GATTGATAAT	TATTGCAGAA	CGGATGGAAG	780
GGAGGATGGA	TGGGCGGTGC	ATGGGTACAT	TGGTGCTTAT	AGCAGAGCTG	GACGGCTGGT	840
TGTACGTTGG	TTTGGTTGTT	GAAGAGATGA	AGAGTTGGAT	GGGCGTGTGC	TTTCACTGTG	900
AATTCCTCCC	CCTGTCTTGC	AGCTCCGGCA	CAGAAGGAAC	CACCTTCCCA	GCCACTCTTG	960
GGTGAGCTGA	CAGCGTCCCA	CGTCGGCCCC	GACTCCGTCC	AGCTGGAATG	GAGCGTCCCC	1020
GAGGGCTCCT	TTGACTCCTT	CACGGTGCAG	TACAAGGATG	CACAAGGCCA	GCCACAGGTG	1080
GTGCCCCTGG	ACGGTGGGTT	GCGCACAGTG	ACCGTGCCCG	GGCTGTCGCC	GTCCCGCCGC	1140
TACAAGTTCA	ACCTGTATGG	GGTGTGGGGG	CGGAAGCGTC	TGGGCCCCAT	GTCCACTGAT	1200
GCTGTCACAG	GTGAGCATGC	TGTGTTCTGC	CTCCATGTTT	TTTTGCTTTC	AGTGTAGTTG	1260
TCATGTGGCA	GGAACCTTTC	AGGGCCACTT	TTGGTTAATG	TTGCCTTAAT	AGTCAAGGAA	1320
ACAATTTGTT	CTTGTTGAGT	GGGAATGCCT	AACGGGATGG	GAGTTTGGAT	GATGAGAGGA	1380
CAAATCTTAT	AAGGGATGAT	TGATAATTAT	TGCGGAACGG	ATGGAAGGAA	GGTTGGATGG	1440
ATGGAATGGT	GTTTGGATAA	ATTTGTGCTC	AGAGCACAGC	TGGAGTGTTG	GATGAATGTT	1500
GCTTTGCTTG	TTGAATAGAT	GGATGTTTGG	TTGTGTGGTT	GCTTCCACTG	AGAATTCCTC	1560
CCTCTGTGCT	GCAGCAGCAG	CTCCAGCACA	AGAGGAGCCA	CCTTCCCCAC	CACGTCTGGG	1620
TGAGCTGACA	GCGTCCCATG	TCGGCCCCGA	CTCCGTCCAG	CTGGAATGGA	GCGTCCCCGA	1680
GGGCTCCTTT	GACTCCTTCA	CGGTGCAGTA	CAAGGATGCA	CAAGGCCAGC	CACAGGTGGT	1740
GCCCGTGGAC	GGTGGGTTGC	GCACAGTGAC	CGTGCCCGGG	CTGTCGCCGT	CCCGCCGCTA	1800
CAAGTTCAAC	CTGTATGGGG	TGTGGGGGCG	GAAGCGTCTG	GGCCCCATGT	CCACTGATGC	1860
TGTCACAGGT	GAGGGCAGGA	ATTGGCACCT	GTTGGGCTCT	GGGTTTGCAG	CAGGTAGAAA	1920
TGTAAACGTG	GCCTGCGCTG	GGGATCTTGT	TTTCCCCTGG	CAATGGGAAC	AGCTGTTGGG	1980
TGCCTTTTTT	GGGAAGGATC	CCTTAATCGC	AGCATGAAGT	ATGAATGGAC	CAATTGGGTG	2040
TGGGTGGAGT	GATGGCTGTT	GAGATGAGTT	GGTGGCTGCT	TGAGTAATTG	TCTGTTGGAA	2100
TGGATGGACA	GATATGTGAA	GGAGTGAAAG	GATGGATAAA	GTAATTTAGG	AATCGGTGGA	2160
TGAAGAATGG	GTAGGTAGAC	CCTTGGTGAA	GTGGTAGAAT	GGAAGGATTT	ATGAACAGAT	2220
ATGAGTTAAT	TCTTGCATCG	AAGTAGGTGT	AAGTGTCTAT	TAGCCTGTTG	CACTGAACAT	2280
GCAGTTGCAT	AGACAAATGA	GTGGGGAGAA	GTACGGAGTA	AATCCCTGCA	TGAATGGTAG	2340
GACAGAAACC	TGAATGCCTG	GATGCTGGCA	GTGTGAAGAA	TGGCACTTGG	GATAGATGGT	2400
TCGAGTATGG	GGTAGATTAA	AAGATGGATG	GAAAAGAGGA	ACAGAGAGAG	GGTGATTGGA	2460
TGAATGGATG	GATGGTTGGA	TGTGACTGAT	TGACAGGTAC	CAAGCTTTTT	TCCTGCACTG	2520
TGCCTTCTGT	GCTGCAGCTG	CAGAAGAGAC	GGAGGAGGAA	CCACCGTCCC	AGCCACGCCT	2580
AGGAGAGCTG	ACGGCATCCC	ATGTCAGCCC	CAACTCCGTC	CAGCTGGAAT	GGAGCATCCC	2640
TGAGGGCTCC	TTTGACTCCT	TCACGGTGCA	GTACATAGAC	GTGCAAGGCC	AGCCGCAGGA	2700
GCTGCACTTG	GATAGTGGGT	CGCGCACAGT	GACCGTGTCT	GGTTTGCTGC	CATCCCACCC	2760
CTACAAGTTC	AACCTTTACG	GGGTGTGGGG	GCAGACACGT	CTGGGCCCCA	TCTCCACTGA	2820
CACCATCACA	GGTGAGGGCC	CCTGCCTGCT	GCTGTGCTCT	GGGCCTTGTG	CTTGGCACGT	2880

Figure 45a

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GGCAGGAGCT	GTGCGATGGG	CTGTGCTGGT	GGCGGGGATC	TGACTGGAAA	TGGAAACGTT	2940
CTGTGGCAAA	GAGTGGGAAT	GTAGGAAGGG	GGTGGGAGCA	TGCAGGGTTG	GTGGAGCAGG	3000
GGGTAGTGAT	CAGTGGTGAG	GATTTGGTTT	CTTGGTCTGA	AATATGGATG	GAAGCTTTGT	3060
TGGGAGAGTG	AATGACTTTT	CAGTGAGGAC	AGGTGGATGC	TTGGGTGAAT	GCTTGGTAAG	3120
TTGTTGAACG	CCTGGATAGT	TGGATGGGTG	GACATGAACT	TTGTATTACA	GCTGCAGCTC	3180
CAGCACAGAA	GGAACCGCCA	TCCCAACCAC	GCCTGGGTGA	GCTGACGGCC	TCCCACGTCA	3240
GCCCCGACTC	CGTCCAGCTG	GAATGGAGCG	TCCCCGAGGG	CTCCTTTGAC	TCCTTCACGG	3300
TGCAGTACAA	GGATGCACAA	GGCCAGCCAC	AGGTGGTGCC	CGTGGACGGT	GGGTTGCGCA	3360
CAGTGACCGT	GCCCCGGGCTG	TCGCCGTCCC	GCCGCTACAA	GTTCAACCTG	TATGGGGTGT	3420
GGGGGCGGAA	GCGTCTGGGC	CCCATGTCCA	CTGATGCTGT	CACAGGTGAG	CATGCTGTTG	3480
TGCTGCATCC	ATGTCTTTTG	GCTGACGGTT	GTGTTGGCAT	ATGGTAGGAA	CCTTTCAGGC	3540
CCACTCCTGG	TTACTGTGGT	CTTAATAGAG	AGGGAAGTTC	TTTCCTGTTC	TTGACGTGGG	3600
TAGCCTGGAG	AGATGGGAGT	ATGGAAGATG	AGAGGAAGAA	CGGAATAAGG	AATGATTGAT	3660
AATTATTGCA	GAACGGATGG	AAGGGAGGAT	GGATGGGCGG	TGCATGGGTA	CATTGGTGCT	3720
TATAGCAGAG	CTGGACGGCT	GGTTGTACGT	TGGTTTGGTT	GTTGAAGAGA	TGAAGAGTTG	3780
GATGGGCGTG	TGCTTTCACT	GTGAATTCCT	CCCCCTGTCT	TGCAGCTCCG	GCACAGAAGG	3840
AACCACCTTC	CCAGCCACTC	TTGGGTGAGC	TGACAGCGTC	CCACGTCGGC	CCCGACTCCG	3900
TCCAGCTGGA	ATGGAGCGTC	CCCGAGGGCT	CCTTTGACTC	CTTCACGGTG	CAGTACAAGG	3960
ATGCACAAGG	CCAGCCACAG	GTGGTGCCCG	TGGACGGTGG	GTTGCGCACA	GTGACCGTGC	4020
CCGGGCTGTC	GCCGTCCCGC	CGCTACAAGT	TCAACCTGTA	TGGGGTGTGG	GGGCGGAAGC	4080
GTCTGGGCCC	CATGTCCACT	GATGCTGTCA	CAGGTGAGGG	CAGGAATTGG	CACCTGGTGG	4140
GCTCTGGGTT	TGCAGCAGGT	AGAAATGTAA	ACGTGGCCTG	CGCTGGGGAT	CTTGTTTTCC	4200
CCTGGCAATG	GGAACAGCTG	TTGGGTGCCT	TTTTTGGGAA	GGATCCCTTA	ATCGCAGCAT	4260
GAAGTATGAA	TGGACCAATT	GGGTGTGGGT	GGAGTGATGG	CTGTTGAGAT	GAGTTGGTGG	4320
CTGCTTGAGT	AATTGTCTGT	TGGAATGGAT	GGACAGATAT	GTGAAGGAGT	GAAAGGATGG	4380
ATAAAGTAAT	TTAGGAATCG	GTGGATGAAG	AATGGGTAGG	TAGACCCTTG	GTGAAGTGGT	4440
AGAATGGAAG	GATTTATGAA	CAGATATGAG	TTAATTCTTG	CATCGAAGTA	GGTGTAAGTG	4500
TCTATTAGCC	TGTTGCACTG	AACATGCAGT	TGCATAGACA	AATGAGTGGG	GAGAAGTACG	4560
GAGTAAATCC	CTGCATGAAT	GGTAGGACAG	AAACCTGAAT	GCCTGGATGC	TGGCAGTGTG	4620
AAGAATGGCA	CTTGGGATAG	ATGGTTCGAG	TATGGGGTAG	ATTAAAAGAT	GGATGGAAAA	4680
GAGGAACAGA	GAGAGGGTGA	TTGGATGAAT	GGATGGATGG	TTGGATGTGA	CTGATTGACA	4740
GGTACCAAGC	TTTTTTCTCTG	CACTGTGCCT	TCTGTGCTGC	AGGACTATGG	TCATAGCTGT	4800
TTCCTGTGTG	AAATTGTTAT	CCGCTCACAA	TTCCACACAA	CATCGA		4846

Figure 45b